

20000512.qrp v01_n819.qrl.20000512

Date: Fri, 12 May 2000 19:03:14 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1819

QRP-L Digest 1819

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- 3) [69962] KB9IUA --> now K9IUA
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- 4) [69963] Follow-up to Aged Battery Corrosion
by "John Nall" <nally@talstar.com>
- 5) [69964] Re: OT: Disaster Welfare Inquiry
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- 6) [69965] Re: SMK-1 Problem
by Dan Benard <trackerdan@earthlink.net>
- 7) [69966] Re: Phone Company Removes endfed
by "John Nall" <nally@talstar.com>
- 8) [69967] Re: [69944] OT: Los Alamos Fire Info
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 9) [69968] Re: OT: Disaster Welfare Inquiry
by Ray Colbert <af852@rgfn.epcc.edu>
- 10) [69969] Jones Paddle counter-force
by "Ed Tanton" <n4xy@att.net>
- 11) [69970] Unassembled SST-20 for sale
by "Karl Heimbach" <heimbachk@mindspring.com>
- 12) [69971] Re: [Homebrew] Need advise on Panavise choices for QRP work.
by "John Moriarity" <k6qq@hdo.net>
- 13) [69972] O-Scope?
by tailfeathers@juno.com
- 14) [69973] Re: Jones Paddle counter-force
by KB7WW Art Moe <kb7ww@chatusa.com>
- 15) [69974] SMK-1 NJQRP Enclosure Arrives!
by "David Hurley,n2zhy" <n2zhy@amsat.org>
- 16) [69975] qsl.net
by "Ron White" <rwhite@netins.net>
- 17) [69976] Re: qsl.net
by Shepherd@aol.com
- 18) [69977] Re: qsl.net
by "Steve Thompson" <steve@xcvr.com>
- 19) [69978] Access to QRP Info Re: qsl.net

by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
20) [69979] : QRP auxiliary equipment answers!
by "Charles Mabbott" <crmabbott@mediaone.net>
21) [69980] Fw: Simple speaker resonator
by "Victor Blackwell" <victor@brecnet.com>
22) [69981] Loop!
by john@neknetwork.com
23) [69982] TT2 Photo Gallery Update!
by wpc@west.net (ElectronicsUSA.com)
24) [69983] Re: OT: Disaster Welfare Inquiry
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
25) [69984] that does it...
by john@neknetwork.com
26) [69985] Re: Access to QRP Info Re: qsl.net
by Dan Benard <trackerdan@earthlink.net>
27) [69986] Re: Access to QRP Info Re: qsl.net
by "Ron White" <rwhite@netins.net>
28) [69987] Re: TT2 Photo Gallery Update!
by n5ib@juno.com
29) [69988] Re: SMK-1 voltages? (SMK not working)
by n5ib@juno.com
30) [69989] Re: TT2 Photo Gallery Update!
by Rremmel@aol.com
31) [69990] SMK-1 #133 - Smoke Escape!!
by Craig LaBarge <wb3gck@yahoo.com>
32) [69991] Re: qsl.net
by "Cla KA0GKC" <ka0gkc@arrl.net>
33) [69992] 75 ohm coaxial cable identification help
by Marty <N5NW@midsouth.rr.com>
34) [69993] Re: qsl.net
by wd3p@juno.com
35) [69994] SMK-1 C24 Question
by Paul Womble <pwomble1@tampabay.rr.com>
36) [69995] SMK-1 C24 *I found it*
by Paul Womble <pwomble1@tampabay.rr.com>
37) [69996] Re: Phone Company Removes endfed
by Doug <doug@wtp.net>
38) [69997] FS: Heathkit GD-1A Grid Dip Meter
by bcswh <bcswh@home.com>
39) [69998] Re: Did I goof?--Thanks guys!
by arrowhead1@characterlink.net (Ted Danchi)
40) [69999] Re: 75 ohm coaxial cable identification help
by wb2vuo@juno.com
41) [70000] Los Alamos evacuation
by millerm@merle.acns.nwu.edu (Michael L Miller)
42) [70001] re: smk-1 problem
by Mike Bray <mikebray@uplogon.com>
43) [70002] Re: Simple speaker resonator

by aweiss@usd.edu (Ade Weiss W0RSP)

44) [70003] Re: SMK-1 and BLT tuner kits to be available at Dayton
by "George Heron N2APB" <n2apb@erols.com>

45) [70004] Re: 365pf varicap source
by John R Kirby <n3aaz-qrp@juno.com>

46) [70005] SST-20 kit sold
by "Karl Heimbach" <heimbachk@mindspring.com>

47) [70006] HELP: Hammerlund, Not a QRP receiver? It is now.
by Philip Karras <ke3fl@yahoo.com>

48) [70007] Re: Loop!
by Curt Milton <wb8yyy@yahoo.com>

49) [70008] RF Sponge - "solved"
by David Shalita <af389@lafn.org>

50) [70009] RE: HELP: Hammerlund, Not a QRP receiver? It is now.
by "Mike D." <hrg@cifnet.com>

51) [70010] 2 questions:
by David Hinerman <dlh1009@ritvax.isc.rit.edu>

52) [70011] Re: 2 questions:
by Paul Erickson <paule@sfu.ca>

53) [70012] Re: Loop!
by Bruce Grubbs N7CEE <n7ceeqrp@earthlink.net>

54) [70013] Re: 2 questions:
by "Mike Yetsko" <myetsko@insydesw.com>

55) [70014] RE: 2 questions:
by "Steve Hudson" <steve.hudson@cmdg.com>

56) [70015] Re: 2 questions:
by David Hinerman <dlh1009@ritvax.isc.rit.edu>

57) [70016] RE: SMK-1 #133 - Smoke Escape!!
by "Steve Hudson" <steve.hudson@cmdg.com>

58) [70017] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
by Ray Colbert <af852@rgfn.epcc.edu>

59) [70018] Re: 2 questions:
by David Hinerman <dlh1009@ritvax.isc.rit.edu>

60) [70019] RE: Hammerlund HQ-170
by Philip Karras <ke3fl@yahoo.com>

61) [70020] RE: Hammerlund HQ-170
by Philip Karras <ke3fl@yahoo.com>

62) [70021] A trimmer true tale
by "AI2Q Alex" <ai2q@ispchannel.com>

63) [70022] Re: 2 questions:
by "Mike Yetsko" <myetsko@insydesw.com>

64) [70023] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
by Maurice L Haynes <kv7g@juno.com>

65) [70024] SMK-1 #22 alive and well
by "Richard E. Robinson" <rerobins@email.uncc.edu>

66) [70025] VQS member bitten by snake
by Doug Bankston <dougbankston1@yahoo.com>

67) [70026] Re: Loop!

- by Curt Milton <wb8yyy@yahoo.com>
- 68) [70027] Re: 2 questions:
by Hank <elly@epix.net>
- 69) [70028] Re: HELP: Hammerlund, Power
by Mike Souhrada <wb9iog@revealed.net>
- 70) [70029] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
by Lee Bahr <w5drc@earthlink.net>
- 71) [70030] WANTED: 11.046 MHz HC49 crystal(s)
by Allan G Taylor <k7gt@qsl.net>
- 72) [70031] FS: QRP STN
by "curt" <k3ivb@stargate.net>
- 73) [70032] Re: SMK-1 #133 - Smoke Escape!!
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 74) [70033] K2 Output Impedance test.
by Ed Loranger <we6w@qsl.net>
- 75) [70034] Re: SMK-1 #133 - Smoke Escape!! (OT)
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 76) [70035] Re: TT2 Photo Gallery Update!
by top@whidbey.com
- 77) [70036] Re: 2 questions:
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 78) [70037] QRPTTF
by "John Humphrey" <jhumphre@ultra-tech.com>
- 79) [70038] (OT?)General QRP & Post virus report
by Rod Johnson <ka7you@juno.com>
- 80) [70039] Re: (OT?)General QRP & Post virus report
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 81) [70040] More resonant speakers test.
by "Victor Blackwell" <victor@brecnet.com>
- 82) [70041] Re: More resonant speakers test.
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 83) [70042] Re: More resonant speakers test.
by "George T. Baker" <w5yr@att.net>
- 84) [70043] Re: SMK-1 #133 - Smoke Escape!!
by Craig LaBarge <wb3gck@yahoo.com>
- 85) [70044] Willco Electronics/Icom battery backup
by n4so@juno.com
- 86) [70045] RE: More resonant speakers test.
by Radman <radman@best.com>
- 87) [70046] HQ170 Alignment
by Bruce Muscolino <w6toy@erols.com>
- 88) [70047] Solid state tubes -- an urban myth??
by "John Nall" <nally@talstar.com>
- 89) [70048] Re: Solid state tubes -- an urban myth??
by "George T. Baker" <w5yr@att.net>
- 90) [70049] Re: Phone Company Removes endfed
by david fouchey <dafouchey@home.com>
- 91) [70050] Re: HELP: Hammerlund, Not a QRP receiver? It is now.

by Wa3ptg@aol.com
92) [70051] RE: Solid state tubes -- an urban myth??
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
93) [70052] FDIM
by "Thaire Bryant" <tbry37@ici.net>
94) [70053] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
by George F Franklin <w0av@juno.com>
95) [70054] Re: Solid state tubes -- an urban myth??
by "Mike Yettsko" <myetsko@insydesw.com>
96) [70055] Re: Solid state tubes -- an urban myth?? - No !! It is true !!!
by "Howard W." <k3hw@yahoo.com>
97) [70056] Re: Solid state tubes -- an urban myth??
by Wb8siw@aol.com

Date: Thu, 11 May 2000 15:59:49 -0700
From: "Ronald Smith" <ronald@atdial.net>
To: qrp-l@lehigh.edu
Subject: [69960] Motorola power supply TPN 1154A
Message-ID: <200005112255.SAA22895@aldebaran.concentric.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang;

I have come into possession of a Motorola power supply model TPN 1154A. If any of you happen to know the peak and continuous current rating of this supply, I would like to know what it is. It looks pretty hefty and could probably power many QRP rigs at the same time.

Thanks and 72,

Ron, KE6RS, ronald@atdial.net

Date: Thu, 11 May 2000 19:10:58 EDT
From: W1XV@cs.com
To: qrp-l@lehigh.edu
Subject: [69961] FS: OHR 100A 30 meter rig
Message-ID: <a4.432b6f4.264c9802@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have for sale an Oak Hills Research 100A 30 meter

transceiver in excellent condition for \$60 shipped
CONUS. Black case has some minor scuffs but
the front panel is perfect. The DD-1 (digital display)
circuit does not allow the DD-1 to show correct
reading. If you don't have (or plan to use) the DD-1,
then not to worry as the rig works fine! However, if
you're a technician, then you can probably fix the
DD-1 problem rather easily. Tnx for the bandwidth.
72, Brad W1XV QRP ARCI #4505

Date: Thu, 11 May 2000 19:14:03 EDT
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-l@lehigh.edu
Subject: [69962] KB9IUA --> now K9IUA
Message-ID: <20000511.180954.9711.0.K9IUA@juno.com>

QRP Believers:

In the interest of making my life changes all at once,
and simply because it is there to do, I submitted
my \$14 to the FCC and purchased a vanity callsign:

I am now (as of 9 May) K9IUA.

This was a major decision for me. The IUA portion
of my original call, since I was licensed
as a Novice in 1993, has been my personal identity,
too strong to want to lose to a 1x2. Dropping the B
makes a big difference, however, in the positive
and still keys nicely in Morse :-)..

As you can see, I have the e-mail address K9IUA@juno.com
all set up, with my QRP-L subscription moved over.
(The old KB9IUA@juno.com address is still active, however,
for the time being.)

Jim E. -- do I need to contact you separately to have my
QRP-L number (#384) switched over ?

See you on the airwaves shortly as K9IUA/mobile -- I
just purchased a used Scout and some Hamsticks
for my pending (July) move to North Dakota.

Cheers/73. Kevin, K9IUA
still (for the moment) Rock Island IL and
Dubuque, IA.

K9IUA@juno.com

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 11 May 2000 19:16:46 -0400
From: "John Nall" <nally@talstar.com>
To: <qrp-1@lehigh.edu>
Subject: [69963] Follow-up to Aged Battery Corrosion
Message-ID: <000701bfbb9e\$fb822320\$8460fea9@r6g4f3>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for all the replies, most of which said clean with baking
soda and a toothbrush.

One fellow said check the battery -- that there are acid batteries,
and there are alkaline batteries.

Brushed off the green crud enough to ascertain that this battery
is a "Duracell Alkaline Battery."

So I'm gonna work with a toothbrush and vinegar, but also will
say "Amen!" to someone who earlier posted a note which said
we need to be sure and supply sufficient info when we ask a
question :-)

Yr. Hmb1. Svt.
John WB4LOQ

Date: Thu, 11 May 2000 19:17:17 EDT
From: Wb8siw@aol.com
To: pwomble1@tampabay.rr.com, qrp-1@lehigh.edu
Subject: [69964] Re: OT: Disaster Welfare Inquiry
Message-ID: <67.3f78f52.264c997d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

"The Red Cross will then attempt to locate your family members. This process can take time. If phones are out...the Red Cross has to actually visit homes, jobs, shelters, etc to locate people." -- AJ4Y

Paul AJ4Y makes a very important point about Disaster Welfare Inquiries. Disasters displace individuals. Individuals are often living with relatives, staying at nearby shelters or perhaps distant hotels. Those that remain in the area may be difficult to locate. Landmarks are destroyed, street signs are missing, house numbers (or the house) may be missing and so forth.

Regardless of which method one utilizes for Disaster Welfare Inquiry, whether Red Cross, National Traffic System nets, or other facilities, please keep these limitations in mind and be patient.

A properly organized ARES program will often have Standard Operating Procedures in place for transmitting Health and Welfare traffic out of the area, as opposed to awaiting incoming inquiries. However, even such careful planning can not possibly cover all possibilities.

If you're ever a disaster victim, keep Paul's comments in mind. Make a point of contacting a relative or family member in an unaffected area and ask that they take the time to notify all of your family members and close friends of your well-being.

One other point....well not a QRP topic perhaps, public service "pays the toll" for all other Amateur Radio activity. Therefore, it seems somehow appropriate.

73, Jim WB8SIW

Date: Thu, 11 May 2000 19:16:51 -0400
From: Dan Benard <trackerdan@earthlink.net>
To: mikebray@uplogon.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [69965] Re: SMK-1 Problem
Message-ID: <391B3F63.535246ED@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Mike,

Great to hear about another SMK-1 on the air!!

I am finding that I have the same type of situation (I don't want to call it a problem) with mine. With the RF gain turned CW, signals are great, sidetone is LOUD. I was thinking of changing R5 to a larger value to let less receive audio across during transmit. Anyone else have thoughts on this??

I am having a blast just listening to mine. I did order up an inexpensive scaf audio filter (Ramsey) to tame the audio output bandwidth, but the sidetone is so loud that it overloads the filter somewhat. Again, I think a bigger R5 will help. But I think the radio is great... had a great time building it, and using it is even better!!

73,

Dan W1RDB
Merrimack, NH

Mike Bray wrote:

>
> Hi, Gang -
>
> This is my first post to the list. I've been a list lurker for about 2
> years and during that time have asked for help privately (and also have
> given some privately), but I feel the time has come to leap in with both
> feet, so here is my plea for help.
>
> I'm having a problem with the receive portion of my SMK-1. I am able to
> receive signals and have already had a QSO with it, but I am only receiving
> signals when the attenuation control is turned fully clockwise.
> Consequently, when I transmit, the sidetone is much too loud and I must
> adjust the attenuation control counter clockwise to a comfortable listening
> level and then turn it back again for receive. At first I thought I had a
> problem with the muting circuitry, but after some troubleshooting, I
> believe it is working correctly and have shifted my focus to the receiver
> front end.
>
> When aligning the receiver, I had two peaks in signal strength when
> adjusting TC1, but virtually no change in signal strength when adjusting
> TC2. During kit construction I had a solder bridge between pins 1 and 2 of
> U1 and was careful when removing the bridge, but now I'm thinking I may
> have overheated the chip in the process.
>
> Before I start replacing components (e.g. TC2 or U1) is there anything I
> can do to further isolate the cause of the problem? I only have a DVM,
> VTVM and a 5 Mc <GRIN> scope for test equipment.
>

> Readings taken on U1 with my DVM (DC volts):
> Pin 1 - 2.13
> Pin 2 - 2.13
> Pin 3 - 0.0
> Pin 4 - 3.7
> Pin 5 - 3.73
> Pin 6 - 6.0
> Pin 7 - 5.2
> Pin 8 - 6.15
>
> If my SMK-1 was working properly, where could I expect the RF Atten control
> to be set for a fairly good signal (RST 559)? Are any of you finding that
> you have to readjust the RF Atten control when listening to a received
> signal vs sidetone when transmitting?
>
> I'd appreciate any help you can give me. I love this little transceiver
> and hope to QSO you when I get it working properly.
>
> 72,
> Mike, KA1DDB/qrp
> Mikebray@uplogon.com
> QRPing from the Upper Peninsula of Michigan (Grid EN65cs)

Date: Thu, 11 May 2000 19:21:44 -0400
From: "John Nally" <nally@talstar.com>
To: <qrp-l@lehigh.edu>
Subject: [69966] Re: Phone Company Removes endfed
Message-ID: <004301bfbb9f\$ad3e5200\$8460fea9@r6g4f3>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I asked one of the
> linemen if I could install a light to the top of my meter loop pole and
was
> told not to ask because he'd have to say no. So, I didn't ask before I
> installed it.

When I was fairly young (perhaps 10 or 12 years old) my grandfather,
while doing his evening bout with Ole Grandad, told me in a confiding
tone that "It is always easier to get forgiveness than it is to get
permission."

I didn't understand it at the time :-)

John WB4LOQ

Date: Thu, 11 May 2000 16:27:19 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-1@lehigh.edu
Subject: [69967] Re: [69944] OT: Los Alamos Fire Info
Message-ID: <200005112327.QAA14493@netcom.com>

This is one of those situations where it helps to be prepared. EVERYONE should have at least one out of area contact number so that in a situation like this where EVERYONE in an area may be uprooted, you can call and leave a message. This is standard earthquake preparedness, and it's very clear its useful for other situations, like fire, hurricanes, tornados, and floods. You can often get a message out, but can't get one back.
73, doug

Date: Thu, 11 May 2000 12:54:45 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>

If you are concerned about the welfare of your family in this area, there is no conceivable way to inquire about them right now. However, all reports indicate everything has gone very orderly, there are no reports of injuries due to the fire or evacuation process, except a few minor injuries to firemen. People evacuated have been urged to stay with families or friends elsewhere in the state where possible, so you may want to check with other family members if possible. Otherwise, it is going to be many days before you can likely contact them.

Date: Thu, 11 May 2000 17:33:11 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu
Subject: [69968] Re: OT: Disaster Welfare Inquiry
Message-ID: <391B4337.C022B397@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In addition to the info given by Paul, Brian and Paul Harden,

the Albuquerque Journal on line at: <http://www.abqjournal.com/>
has stories, pictures and frequently updates the fire
info. There are also some shelter info and phone numbers
listed.

73

Ray

--

"The more I see of the representatives of the people, the more I
admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

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<http://www.netzero.net/download/index.html>

Date: Thu, 11 May 2000 19:33:50 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "CW Reflector" <cw@qth.net>
Subject: [69969] Jones Paddle counter-force
Message-ID: <CKEGICNFDIMCEKEDCEHFMEMPFAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The question came up the other day about what provided the counter-force in
the Jones paddle. I learned the answer this evening, and wanted to pass it
along before anyone else had to learn the same way (to wit: crawling around
on the kitchen floor looking for a 2mm x 1cm brass pin!)

The two knurled brass knobs on either side of the main housing screw in and
out, pushing against the two contact tension shafts. These knobs are
hollowed out at the inner end, and each contain said brass piece. It is flat
at one end (goes inside the shaft, pushing against a spring, which, in turn,
pushes against the shaft.) Not realizing they came OUT, I turned mine
pin-down whilst (it IS an English key, after all) cleaning things, and of
course it sought the nearest surface-that being the floor, several feet
away. Bounced. Rolled. Discovered attempting to hide, several MORE feet
away. Reached whilst (that word again) crawling along, face several inches
above the ceramic kitchen tiles, whose grout is-you may have surmised
(another nice Brittish word)-nearly the perfect colour (I know: I'm
overdoing this!) of tarnished brass.

Key back together, method of tension discovered, case closed.

73 Ed Tanton <n4xy@arrl.net> K2# 0057 (FT)

Technical Editor QRP ARCI "QRP Quarterly"

website: <http://www.qsl.net/n4xy/>

Date: Thu, 11 May 2000 18:35:16 -0500
From: "Karl Heimbach" <heimbachk@mindspring.com>
To: "QRP L Reflector" <qrp-l@Lehigh.EDU>
Subject: [69970] Unassembled SST-20 for sale
Message-ID: <016b01bfbba1\$95d13db0\$5f0505ac@phoenix>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have unassembled SST-20 for sale. Also have extra VX0 crystal to extend tuning range. \$75 shipped anywhere in the US via priority mail.

Karl - W5QJ

Date: Thu, 11 May 2000 16:43:11 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <al7fs@pobox.alaska.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [69971] Re: [Homebrew] Need advise on Panavise choices for QRP work.
Message-ID: <00ad01bfbba2\$aba3d480\$02424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>
> There are too many options for me to know what is best for doing our
> QRP
> type work? Can someone with experience with Panavise provide a bit of
> guidance and suggestions on pieces to buy. I cannot buy them all and
> would like to avoid buyers remorse.

Jim,

For the last 25 years or so, I have used a Panavise. I bought the Wide Opening Head, the Circuit Board Holder and the Standard Vise Head. I don't even know where the last two are anymore. I find the Wide Opening Head, with its neoprene jaws, to be very suitable for PCB assembly work. You can place a board edge-on between the jaws and it will hold it securely. Of course it won't hold a big board (like the RF Board of a K2), but those stay put pretty well by themselves.

I have the Low Profile base, but that is a matter of preference, depending on how high you want your work. From my bench top to the top of the jaws is about seven inches.

I should add that the seven inches depends on the type of clamp or base you use. I use one that's not on the Radio Shack Web Page. Panavise lists it as their Model 308 Cast Iron Weighted Base. This will not move around on your bench unless you want it to! They also sell the combination of Wide Opening Head, Low Profile Base and Cast Iron Weighted base as a Model 309 (at a slight reduction from the individual prices).

Good Luck and 73,

John, K6QQ

Date: Thu, 11 May 2000 19:47:27 -0400
From: tailfeathers@juno.com
To: qrp-l@lehigh.edu
Subject: [69972] O-Scope?
Message-ID: <20000511.194729.-3997103.0.tailfeathers@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hey guys! Has anyone on the list used any of the computer assisted test equipment? I was especially interested in the O-Scope II but any other brands that work well and maybe cost less are ok as well.

Gary
n8gsj

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 11 May 2000 23:52:30 -0700
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: n4xy@att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [69973] Re: Jones Paddle counter-force
Message-ID: <391BAA2D.B580E76C@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This might help your understanding of the why of the pin falling.

<http://www.bc.cc.ca.us/programs/sea/astronomy/gravappl/gravapin.htm>

Art
KB7WW

Ed Tanton wrote:

>
> The question came up the other day about what provided the counter-force in
> the Jones paddle. I learned the answer this evening, and wanted to pass it
> along before anyone else had to learn the same way (to wit: crawling around
> on the kitchen floor looking for a 2mm x 1cm brass pin!)

>
> The two knurled brass knobs on either side of the main housing screw in and
> out, pushing against the two contact tension shafts. These knobs are
> hollowed out at the inner end, and each contain said brass piece. It is flat
> at one end (goes inside the shaft, pushing against a spring, which, in turn,
> pushes against the shaft.) Not realizing they came OUT, I turned mine
> pin-down whilst (it IS an English key, after all) cleaning things, and of
> course it sought the nearest surface-that being the floor, several feet
> away. Bounced. Rolled. Discovered attempting to hide, several MORE feet
> away. Reached whilst (that word again) crawling along, face several inches
> above the ceramic kitchen tiles, whose grout is-you may have surmised
> (another nice Brittish word)-nearly the perfect colour (I know: I'm
> overdoing this!) of tarnished brass.

>
> Key back together, method of tension discovered, case closed.

>
> 73 Ed Tanton <n4xy@arrl.net> K2# 0057 (FT)

>
> Technical Editor QRP ARCI "QRP Quarterly"

>

> website: <http://www.qsl.net/n4xy/>

Date: Fri, 12 May 2000 00:12:09 +0100
From: "David Hurley,n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [69974] SMK-1 NJQRP Enclosure Arrives!
Message-ID: <391B3E49.EBF4F9F3@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My NJQRP enclosure for the SMK-1 arrived today!!!!!!!

What a pleasure! First thing I did was cut open both bags and spill the contents onto the floor. Bent over, picked all the stuff up and didn't lose a part!!!!!!!!!!!!

Really cool!

Nice instruction booklet. Even comes with acetate labels for front and back!

Think I'll go spill the parts out on the carpet!

David Hurley,n2zhy
Princeton,NJ

Date: Thu, 11 May 2000 19:27:22 -0500
From: "Ron White" <rwhite@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [69975] qsl.net
Message-ID: <003701bfbbba8\$d9984c80\$c7138ea7@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know if I'm the only one having trouble or not, but it is almost impossible to connect to qsl.net.
Many ham web pages are on that "service" and it sure is frustrating when you can seldom get it.

Ron
Ron White

e-mail - rwhite@netins.net
Amateur radio WA0MWW

Date: Thu, 11 May 2000 20:31:59 EDT
From: Shephed@aol.com
To: rwhite@netins.net, qrp-1@lehigh.edu
Subject: [69976] Re: qsl.net
Message-ID: <31.4f4e227.264caaaff@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

They are having problems, I've not been able to connect for a day and a half.

In a message dated 5/11/00 8:27:53 PM Eastern Daylight Time,
rwhite@netins.net writes:

> I don't know if I'm the only one having trouble or not, but it is almost
> impossible to connect to qsl.net.
> Many ham web pages are on that "service" and it sure is frustrating when
you
> can seldom get it.
>
> Ron

72, 73, oo's
Dan, N8IE Kettering, Oh
FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667, SOC #284
<http://members.aol.com/shephed/n8ie.htm>

Date: Thu, 11 May 2000 17:38:32 -0700
From: "Steve Thompson" <steve@xcvr.com>
To: <rwhite@netins.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [69977] Re: qsl.net
Message-ID: <005201bfbbbaa\$66fa5720\$0a72b6c6@steve>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ron -

Al, the owner/administrator of QSL.NET, recently sent out a note to QSL.NET account holders ... I don't remember the exact details, but it said that QSL.NET is undergoing some big changes (think it was pipeline stuff). This has likely caused some outages and/or slowness.

Steve N7TX

----- Original Message -----

From: "Ron White" <rwhite@netins.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, May 11, 2000 17:27

Subject: qsl.net

> I don't know if I'm the only one having trouble or not, but it is almost
> impossible to connect to qsl.net.

> Many ham web pages are on that "service" and it sure is frustrating when
you

> can seldom get it.

>

> Ron

> Ron White

> e-mail - rwhite@netins.net

> Amateur radio WA0MWW

>

>

>

>

Date: Thu, 11 May 2000 16:37:47 -0800

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: rwhite@netins.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [69978] Access to QRP Info Re: qsl.net

Message-ID: <391B525B.A4E00FDD@pobox.alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Try loading my webpage, Ron. I just loaded it and it loaded in just seconds. I even killed all my caches and history to be sure it wasn't picking up files off my local PC. I begin to wonder if there is a path

problem from the midwest. There have been other posts on the Iowa QRP mail list stating they are having trouble.

I don't understand the Internet Infrastructure but qsl.net works great for me up here in Alaska.

73, Jim

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>
QRP ARCI #6754 Check out <http://www.qrparci.org/>

Ron White wrote:

>
> I don't know if I'm the only one having trouble or not, but it is almost
> impossible to connect to qsl.net.
> Many ham web pages are on that "service" and it sure is frustrating when you
> can seldom get it.
>
> Ron
> Ron White
> e-mail - rwhite@netins.net
> Amateur radio WA0MWW

Date: Thu, 11 May 2000 20:45:38 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [69979] : QRP auxiliary equipment answers!
Message-ID: <000601bfbbab\$64e82380\$0201a8c0@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Want to thank everyone publicly who responded both on the list and privately. I will have to remember this great resource more often, thanks folks!

Chuck Mabbott AA8VS

"Wouldn't it be much worse if life were fair and all the terrible things that happen to us, come because we actually deserve them? So now I take comfort in the general hostility and unfairness of the Universe."

--- Marcus Cole "Babylon 5"

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Charles Mabbott

Sent: Wednesday, May 10, 2000 4:07 PM

To: Low Power Amateur Radio Discussion

Subject: FW: QRP auxillary equipment question!

Hi folks,

I have visited local Radio Shack and found a butane soldering iron cannot remember part number. Price seemed reasonable, and butane tanks are sold in pairs. It would seem, if it lasted 30 minutes, it would made a good addition to the QRP field kit. Just in case a repair was needed in a coax or something like that and you didn't have generator handy.

Has anyone used one of these or had experience with a similar item for repairs during field day, camping, etc with HF rigs? This seems like a good addition to the [field] tool box.

"No wonder Clairol makes so much money selling shampoo.

Lather, Rinse, Repeat is an infinite loop!"

73,

Chuck AA8VS

MI-QRP #M1212

QTH Canton, MI

Date: Thu, 11 May 2000 21:00:55 -0400

From: "Victor Blackwell" <victor@brechnet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [69980] Fw: Simple speaker resonator

Message-ID: <001b01bfbbad\$87a2e840\$5a5730d1@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Am I the cheapest dude on the QRP mail reflector?

Top this one.

I wanted to get an idea of what kind of improvement a resonant speaker would make. So after checking around and getting some typical dimensions of same I discovered that a 24 Oz. plastic cottage cheese container was just about perfect. I carefully cut the bottom of the container and placed it top side down over my speaker. Viola! The CW was wonderful. I suspect a better one can be made, but in the mean time this one is working like a champ.

El cheapo!

72/3

Vic AD8K

Date: Thu, 11 May 2000 21:11:28 -0400
From: john@neknetwork.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [69981] Loop!
Message-ID: <391B5A40.3A2C2810@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks, tomorrow I'm going to attempt to put up a loop to replace my too close the house and too close the ground 40m dipole I hustled together this winter. I've been hot for a loop all winter, but the 5 feet of snow in the backyard would have made putting up a loop, um, interesting.

I wanted to run some figures and questions by you guys and just make sure I've got everything correct;

I'm building the loop for 40m, so it's: $1005/7.000 == \text{abt } 143 \text{ and a half feet total length. Divided by } 4 \text{ is } 35 \text{ feet } 11 \text{ inches (rounded) per leg.}$

I want to feed the loop about midway through one of the legs with about 25 feet of 450 ohm ladder line. The ladder line will be run to my MFJ tuner's balanced line posts. The tuner has a built in 4:1 balun for these posts.

And here are the questions;

1. Does this seem correct?

2. Will the impedance mis-match between the feed point on the antenna and the ladder line matter? I understand the feedpoint will be around 50 ohms. Should I use coax instead?

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

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Network Administration

Date: Thu, 11 May 2000 18:06:48 -0500

From: wpc@west.net (ElectronicsUSA.com)

To: qrp-l@Lehigh.EDU

Subject: [69982] TT2 Photo Gallery Update!

Message-ID: <v01530504b540ea864e9c@[205.254.241.237]>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Greetings QRP-L!

More terrific photos have been added to the Tuna Tin Two Photo Gallery:

NJ1X: Check out the built-in key on his TT2!

WA5BDU: A great TT2 set up, and another TT2/QRP Cat photo!

W=D8HXS: You vintage Volkswagen fans will LOVE this TT2 photo! =
Must see.

Visit the Tuna Tin Two Photo Gallery:

<http://tunatin2.homepage.com>

or:

<http://ElectronicsUSA.com/tunatin2.html>

We now have 24 TT2 photos in the gallery. Can we get 30 or more??!! Also, should I break up the page, or just keep adding photos this way to one BIG page? It takes awhile to download, but it's worth waiting for.

72, -Jack WA6KY0

ElectronicsUSA.com

<http://ElectronicsUSA.com>

one of these.

Nice pics Jim, really well done. Thanks a million, there goes what's left of my eyes.

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

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Date: Thu, 11 May 2000 21:34:49 -0400

From: Dan Benard <trackerdan@earthlink.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [69985] Re: Access to QRP Info Re: qsl.net

Message-ID: <391B5FB9.71E7C928@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Came right up in NH at 0134Z.

Jim Larsen AL7FS wrote:

> I don't understand the Internet Infrastructure but qsl.net works great

> for me up here in Alaska.

>

> Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>

> >

> > I don't know if I'm the only one having trouble or not, but it is almost

> > impossible to connect to qsl.net.

> > Many ham web pages are on that "service" and it sure is frustrating when you

> > can seldom get it.

Date: Thu, 11 May 2000 20:38:05 -0500

From: "Ron White" <rwhite@netins.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [69986] Re: Access to QRP Info Re: qsl.net

Message-ID: <000f01bfbbb2\$bb01e6a0\$c90c8ea7@netins.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,
Just tried your page and no luck.
It may be a regional thing.

Ron

----- Original Message -----

From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: <rwhite@netins.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, May 11, 2000 7:37 PM

Subject: Access to QRP Info Re: qsl.net

> Try loading my webpage, Ron. I just loaded it and it loaded in just
> seconds. I even killed all my caches and history to be sure it wasn't
> picking up files off my local PC. I begin to wonder if there is a path
> problem from the midwest. There have been other posts on the Iowa QRP
> mail list stating they are having trouble.

>

> I don't understand the Internet Infrastructure but qsl.net works great
> for me up here in Alaska.

>

> 73, Jim

> --

> Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>

> Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>

> QRP ARCI #6754 Check out <http://www.qrparci.org/>

>

>

> Ron White wrote:

> >

> > I don't know if I'm the only one having trouble or not, but it is almost
> > impossible to connect to qsl.net.

> > Many ham web pages are on that "service" and it sure is frustrating when
you

> > can seldom get it.

> >

> > Ron

> > Ron White

> > e-mail - rwhite@netins.net

> > Amateur radio WA0MWW

Date: Thu, 11 May 2000 21:43:20 EDT
From: n5ib@juno.com
To: wpc@west.net, qrp-1@Lehigh.edu
Subject: [69987] Re: TT2 Photo Gallery Update!
Message-ID: <20000511.204002.26935.0.N5IB@juno.com>

I must comment on one of the TT2 photos recently added.

I worked Larry, W0HXS, a while back while testing a RH40 and we corresponded on e-mail about rig enclosures and such. He saw my wood boxes on the web and told me about his VW TT2. Well today in the mail comes a QSL, a very nice letter, and photos of the TT2 and a bug he'd restored. Talk about a neat job...

Lads and lassies, you've gotta take a look at Larry's handiwork!

Many thanks to Jack for hosting this gallery.

72
Jim N5IB

>Visit the Tuna Tin Two Photo Gallery:
><http://tunatin2.homepage.com>
>or:
><http://ElectronicsUSA.com/tunatin2.html>

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 11 May 2000 21:43:20 EDT
From: n5ib@juno.com
To: w6abc@yahoo.com, qrp-1@Lehigh.edu
Subject: [69988] Re: SMK-1 voltages? (SMK not working)
Message-ID: <20000511.204002.26935.2.N5IB@juno.com>

Gang, here's my contribution to the SMK-1 voltage chart. I'll do some more at another sitting, or someone else can fill in the gaps, just fill in, and re-post:

All these were done with a 50 MHz scope and a 10x probe, good to within a couple of tenths. Gel-cel battery at about 12.7 V

Rx Tx

U1-1 2.0
U1-2 2.0
U1-3 0.0
U1-4 3.6
U1-5 3.7
U1-6 6.0
U1-7 5.3
U1-8 6.0

U2-1 1.4
U2-2 0.0
U2-3 0.0
U2-4 0.0
U2-5 6.3
U2-6 12.5
U2-7 6.3
U2-8 1.4

Q1-D 3.6 3.6 + 1 Vpp audio
Q1-S 3.6 2.8
Q1-G 3.2 0.2

Q4-E 0.0 0.0
Q4-B 0.6 0.0
Q4-C 0.2 8.0

Q5-E 0.0 0.0
Q5-B 0.0 0.6
Q5-C 3.2 0.2

Q6-E 12 11.8
Q6-B 12 11.8
Q6-C 0.2 12

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 11 May 2000 21:58:55 EDT
From: Rremmel@aol.com
To: qrp-1@lehigh.edu
Subject: [69989] Re: TT2 Photo Gallery Update!
Message-ID: <44.3892c97.264cbf5f@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings,
Could someone post the site for the NJQRP TT2 kits.
Thanks,

Raymond
AC5QV

Date: Thu, 11 May 2000 19:29:25 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: qrp-l-mailing-list <qrp-l@lehigh.edu>
Cc: wb3gck@arrl.net
Subject: [69990] SMK-1 #133 - Smoke Escape!!
Message-ID: <20000512022925.17738.qmail@web702.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I finished up my SMK-1 a few days ago but didn't have a chance to check it out until tonight. I was getting about 340 mW out of the transmitter but the receiver was stone dead. While doing some trouble shooting around the 386 audio amp chip, the probe of my voltmeter slipped, there was a "crack", and a piece of plastic flew up and hit me in the forehead! Yikes! I blew a hole in the '386 and the smoke escaped from it. Looks like I took out D10 as well. Still checking around for other damage.

Not only did I get to learn how to solder surface mount components now I also get to learn how to remove them and do some serious troubleshooting!

73, Craig WB3GCK

Do You Yahoo!?
Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Thu, 11 May 2000 21:30:04 -0500

From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [69991] Re: qsl.net
Message-ID: <043f01bfbbb9\$fce56860\$0200000a@mcg.net>

QSL.NET has been forced to change T1 line providers. This results in a change of IP address. It will take a few days for the old IP address to die in all the domain name servers around the world and the new IP to be picked up. Consequently, some ISPs are updated already, and others are not so your mileage will vary.

It's been quite awhile since I did the TCPIP packet radio thing, but I think I've got the explanation correct.

73 de KA0GKC Claton Cadmus
ka0gkc@arrl.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 11 May 2000 21:32:28 -0500
From: Marty <N5NW@midsouth.rr.com>
To: qrp-1@Lehigh.EDU
Subject: [69992] 75 ohm coaxial cable identification help
Message-ID: <4oqmhscfuk6t916b0g4l3r1a38v2dct67r@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

I'm trying to identify a 6 ft. piece of 75 ohm coax, like the installers = use to go from the wallplate to the cable box. The markings on it are = "E83032A =46660BVV (UL) CATV"

I'd like to identify the velocity factor of this particular cable, to = build a 1/4 wave matching stub for a 6 meter loop. I've looked in the ARRL = antenna book but can't identify it from what I have. Also checked Belden's =

website
with no luck looking up that trade number.

--

Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Fri, 12 May 2000 02:34:27 +0100
From: wd3p@juno.com
To: qrp-1@Lehigh.EDU
Subject: [69993] Re: qsl.net
Message-ID: <20000512.023433.-384773.0.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Thu, 11 May 2000 20:31:59 EDT Shephed@aol.com writes:
> They are having problems, I've not been able to connect for a day and
> a half.
>
I was in there this afternoon looking at AE5X's new info comparing QRP
rigs - power out, current etc.

73 de Larry.....WD3P in MD

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 11 May 2000 22:44:57 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [69994] SMK-1 C24 Question
Message-ID: <391B7029.15592266@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My parts list shows C24 as Item #3 and also Item #4.

Where is the correct placement for C24?

Thanks
Paul AJ4Y

--

Polk County Amateur Radio Emergency Services:
<http://www.qsl.net/polkares>
Florida Contest Group:
<http://www.qsl.net/fcg>

Date: Thu, 11 May 2000 22:48:54 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [69995] SMK-1 C24 *I found it*
Message-ID: <391B7116.C3071E90@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Duh! I should have looked at the schematic first! Looks like C2 is the other 470pf for Item # 5.

73
Paul AJ4Y

--

Polk County Amateur Radio Emergency Services:
<http://www.qsl.net/polkares>
Florida Contest Group:
<http://www.qsl.net/fcg>

Date: Thu, 11 May 2000 20:53:05 -0600
From: Doug <doug@wtp.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [69996] Re: Phone Company Removes endfed

Message-ID: <391B7211.7DBDF344@wtp.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You guys are missing the point:

Dont hassle your local phone company for removing the antenna. OSHA (read that the Federal Government) now demands that any and all "foreign attatchements" on poles be removed or the company will face fines for failing to do so. I've spent over 30 years in the business, and can tell you there's no end of injuries that have been caused by someone's junk stuck on a pole or nailed on by some unknowing or uncaring dolt who either dosent consider what danger there is in freeclimbing a pole, or dosent give a damn about those of us who do.

My forman used to spend his spare time looking for foreign attatchments for us to pull down. And, in the Summer time when things were slack, we searched out those poles where the "yard sale" and "lost dog" signs had been nailed onto poles. We'd either pull the nails or drive them in to clear the heads. This is all part of the job and your local lineman was doing his.

Those poles are the property of the utility company, who is responsible for making sure they are safe for their employees. Each lineman or whomever hikes that stick is going to make sure there's no nails, wires, extention cords, Ivy vines or dog restraints stuck to or nailed into that pole. Any obstacle of any variety that breaks the normal rythm of climbing is a hazzard, and so this is done in consideration of his own neck and that of his fellow workers, who for whatever reason might "cut out" on that pole and have a sliver infested, painful slide to the bottom. Any attatchment could mean life threatening injuries to be dealt with, in addition to possible abdominal injury due to slivers and broken bones that can leave a person incapacitated at the bottom of the pole where they could freeze to death or whatever other fate might await, should they be alone.

Keep the antennas off utility poles. Talk to your local power company or phone company and ask the cost of setting a pole in your yard, rigged with steps or a halyard system to simplifiy raising and lowering antennas. I've got a 55 footer from the power company here, and it was resonable in price, cheaper than the same height of tower. Steps would be a good alternative to trying your skill at climbing with climbers, as they arent as easy as they look. Leave the hookwork to the pros. Get to know one of your local journeymen and they'd no doubt be able to find someone to help you out for a few bux or a hot, juicy, barbecued steak some afternoon. Most folks I've worked with would walk a pole any day

for some good chow and liquid refreshements.

Best luck with your antennas.

73

Doug, K7YD
Livingston, MT

Mike Yetsko wrote:

> You know, I'd wonder seriously about the fact the lineman removed
> the wire and THEN knocked on your door.
>
> You might have the basis for a serious complaint. If the pole was
> owned by the phone company, then the phone company was
> probably within their rights to do that, however there is always
> the possibility of serious injury to the lineman. They should be
> advised of that fact. What if you had something like a Swan
> 700CX pumping out 500W into that wire?
>
> On the other hand, if the phone company DOESN'T own the pole,
> they probably shouldn't have touched your wire. That might take
> some looking into. As in a lot of areas, pole ownership is split
> between various groups. When it gets to individual residential
> distribution poles, it's usually the power company (but it doesn't
> have to be) who has actual ownership.
>
> But regardless, it could have been a safety issue. And you might
> want to tell the phone company that in any case.
>
> Mike

Date: Thu, 11 May 2000 21:58:36 -0500
From: bcswh <bcswh@home.com>
To: qrp-1@Lehigh.EDU
Subject: [69997] FS: Heathkit GD-1A Grid Dip Meter
Message-ID: <4.3.1.2.20000511215644.00aff4a0@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Lowering the price on this one:

Heathkit GD-1A Grid Dip Meter

Appears in good condition. Untested. \$40 shipped Priority Mail.

Email: bcswh@home.com

Date: Thu, 11 May 2000 23:00:34 -0400
From: arrowhead1@characterlink.net (Ted Danchi)
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [69998] Re: Did I goof?--Thanks guys!
Message-ID: <391B73D2.96C9B1C3@characterlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just wanted to let everybody know that I'm VERY grateful for all the help. I've got a REALLY hectic weekend coming up, so I'm going to be a bit slow in responding to each of you individually. I WILL do my best to do that, as each of you has offered some really good advice. I just didn't want you to think I didn't appreciate all the help. There are just too many things to do right now, so I'll get back with each of you as soon as possible.

Thanks again!

73

--

Michael F. Danchi, KE4TSA
Violinist
"Guardian 7"

Date: Thu, 11 May 2000 23:22:11 -0400
From: wb2vuo@juno.com
To: N5NW@midsouth.rr.com, qrp-l@lehigh.edu
Subject: [69999] Re: 75 ohm coaxial cable identification help
Message-ID: <20000511.232211.-102329.2.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Marty. Keith here in the Depths of the Great Bergen Swamps of WNY...

If you have any of the current antenna analyzers, determining the Vf is relatively easy.

Let's say that you have a 40 foot hunk of your mystery cable. In free space, you would have a conductor that was 1/4-wave long at a frequency equal to $F=246/L$, or 6.15 MHz. If the velocity factor was 0.66 (as an example), the hunk-o-cable would be 1/4-wave at $F=(246 * 0.66)/L$, or 4.06 MHz and so on...

What you need to do (assuming that you have, or can borrow an analyzer) is to measure a length of cable. Put a connector on one end and connect it to the analyzer. Sweep up from 1/2 of the calculated 1/4-wave resonance point and look for an impedance value of ZERO ohms (or as low as it will go), and that's your 1/4-wave resonance. A 1/4-wave line that's open at the far end will look like a short at resonance (RF-wise) and a shorted 1/4-wave line will look open.

By working backwards and solving for Vf you can determine the velocity factor for that lot of cable. With the formula $L = 246(Vf)/F$ rewritten, you get $Vf = (L * F)/246$. So, if our 40 foot hunk-o-cable checked out with a resonance at 4.77 MHz, the velocity factor would be 0.775 (close enough)

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
VP & FD'00 Chairman, Brockport Amateur Radio Klub & SOC # 119
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 11 May 2000 21:50:13 -0500
From: millerm@merle.acns.nwu.edu (Michael L Miller)
To: qrp-l@lehigh.edu
Cc: millermd@nwu.edu
Subject: [70000] Los Alamos evacuation
Message-ID: <200005120350.WAA16982@merle.it.northwestern.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I want to thank the entire group for their responses and support - as always, the greatest ham list-serv there is.

We thankfully made telephone contact with my wife's parents and sister and

her family earlier this evening. The evacuation yesterday from Los Alamos, begun about 1:30pm, was a very orderly affair, taking no more than 4 hours -- not bad, considering the numbers of people involved. White Rock, part of Los Alamos, but a bit further down the hill, also evacuated in a very orderly fashion, albeit around 1:30 in the morning.

As others in the list have observed, the hams involved in the efforts are preoccupied with on site emergency communications, not health and welfare -- as it should be. Still, I find it is only human nature for relatives on the outside to be worried and try every avenue possible to make contact, particularly when there are elderly parents involved.

Again, my thanks to the group. I look forward to future qrp related posts. Heck, my last visit to Los Alamos was during Field Day 1999, when I operated qrp out in the field, with members of the Los Alamos ARC.

73 de KG9ML, Mike

Date: Fri, 12 May 2000 04:49:29 +0100
From: Mike Bray <mikebray@uplogon.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [70001] re: smk-1 problem
Message-ID: <01BFBBBCD.7B6A0A20.mikebray@uplogon.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

Apparently I had two separate problems with my SMK-1. With the help of a few of our knowledgeable members, one of the problems has been solved. My mute circuit wasn't working during transmit after all. The problem was solved by jumpering D5 with a piece of resistor lead. It works great now!

I'm still working on the problem of no change in signal strength when TC2 is adjusted. The U1 voltages that I posted earlier compared favorably with those of a working rig, so I'll leave U1 be for now. I guess I'll try replacing the components, one at a time, in the resonant circuit at the input to U1. I'll keep you informed of my progress in that regard.

Thanks for all the help - what a great group!!

72,
Mike, KA1DDB/qrp

Date: Thu, 04 Nov 1999 07:17:02 GMT
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-1@Lehigh.EDU
Subject: [70002] Re: Simple speaker resonator
Message-ID: <200005120521.AAA25222@sunburst.usd.edu>

Right! I use a 3.75" x 3.5" plastic container with 1-3/4" speaker mounted in the open end. Trick is to leave a half-moon cut-away exposing the innards of the container. Very solid resonance at around 700Hz.

Ultimately, you just have to fiddle around with the tubes that you have!

I have a second PVC 9" x 3.25", open ended, w. a 2-3/4" speaker. Two resonances at around 1000Hz and 400Hz. Amazing how the pair allows one to slice out offending signals like on FOX night! Switched with a DPDT. The advantage of the big tube is that during QRN periods, the QRN appears in the hi-freq slot, while the low-freq sig is in the clear. A very great boon during 160m stuff this winter.

72, Ade

Date: Fri, 12 May 2000 01:45:42 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [70003] Re: SMK-1 and BLT tuner kits to be available at Dayton
Message-ID: <003501bfbbd5\$51287fa0\$d159accf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

These sure are exciting times for QRPers. Doug, KI6DS hit the nail on the head ... there are so many good deals available for us, all relatively within reach under \$30. Those attending the Dayton activities will have a chance to see, touch, feel and buy many of the local club offerings at the NJQRP club table on Friday and Saturday evenings at the Ramada Inn.

Here's a brief run-down of the specials you'll be seeing out on our table:
1) the NorCal SMK-1 transceiver kits ... surface mount kitting at its best

- 2) the NJQRP Homebrew Enclosure Kit for the SMK-1 ... new uses for scrap copper clad boards
- 3) the NorCal BLT Tuner Kits ... there's a new twist on this kit that you've got to "see" to believe!
- 4) the NJQRP "SOP" Receiver Kit & all options ... yes, this kit is finally ready for shipping!
- 5) the NJQRP/NorCal/Meacham Tuna Tin 2 Kit ... the original one!
- 6) the Ft. Smith P-TiCK paddle/keyer combo kit ... great homebrew project, useful accessory
- 7) the NJQRP Fireball 40 Transmitter ... the original one keeps on TiCKing!
- 8) the NJQRP FB40 Amp ... components add to FB40 board to give 1.5W out
- 9) the N2CX "Gusher" and "Halfer" Antenna Kits ... from the master himself
- 10) the W2GUM "Gummer Antenna Bases" ... to hold up your St Louis Vertical
- 11) a limited number of Atlanticon 2000 Proceedings ... fabulous articles from renowned authors
- 12) a whole bunch of QRP Homebrewer winter issues ... special promo offer: 5 issues for the subscription
- 13) and finally <whew>, a NEW CLUB KIT UNVEILING ... can you spell PSK31 ?! ;-)

There's been so much going on this Spring, what with Atlanticon QRP Forum, catching up on backlogged kits, great demand for QRP Homebrewer, and finishing up the SOP Receiver project, that a few of us in the NJ group have barely had a chance to stop to smell the roses. Well, next weekend is the time for that at Dayton... sure hope you stop by the NJQRP table to say Hi and let us know how you feel about homebrewing, building kits and operating QRP. We love to hear it all.

BTW, The Spring issue of QRP Homebrewer is going to the printer next week just before N2CX and I hit the road for Dayton. The issue will then be in the mail the very next week. It's a super issue, with a general theme this time of "Homebrew Antennas". We think you'll love it.

See you at the Ramada Inn and out on the hamfest grounds!

72, George N2APB

----- Original Message -----

From: Doug Hendricks <ki6ds@hotmail.com>

Guys, the SMK-1 kits and the NorCal W6JJZ BLT tuner kits will be available at Dayton. The NJ QRP Club will be selling ...

Date: Fri, 12 May 2000 06:54:31 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: wb5rue@stic.net, qrp-1@Lehigh.EDU
Subject: [70004] Re: 365pf varicap source
Message-ID: <20000512.065506.-17371.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Found at most hamfests in
the old "FIVE" tube radios.

!!! CAUTION !!!

The metal chassis on some "two wire", *not transformer*, old radios,
will be HOT . . . depending on which way the a.c. plug is inserted into
the 115 Volt wall socket.

Another >caution< (from a collectors point of view),
some of those OLD radios have more value than
just a 365 pF capacitors : >))

John
N3AAZ
FM19xa

On Thu, 11 May 2000 10:30:23 -0500 "Kevin Muenzler WB5RUE"
<wb5rue@stic.net> writes:
>I remember reading a year or so ago about a source for 365pf variable
>caps.
>Someone please remind me....
>
>Thanks
>
>Kevin, WB5RUE
>

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 12 May 2000 07:12:22 -0500
From: "Karl Heimbach" <heimbachk@mindspring.com>
To: "QRP L Reflector" <qrp-l@Lehigh.EDU>
Subject: [70005] SST-20 kit sold
Message-ID: <029101bfbcb\$744d5330\$5f0505ac@phoenix>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The SST-20 has been sold. Thanks for the replies.

Karl - W5QJ

Date: Fri, 12 May 2000 05:28:31 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [70006] HELP: Hammerlund, Not a QRP receiver? It is now.
Message-ID: <20000512122831.4285.qmail@web2202.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well, if we count input power I guess the old
Hammerlund HQ-170 is not QRP, tho' right now it might
qualify ;-)

I need a service manual for this RXer, does anyone
have them or know of where I could get them?

The receiver belongs to another Ham friend and I'm
fixing it for him.

The problem id that power is not getting to anything
but the clock, fuse is OK. I did a quick check to try
and follow the filament power line and found that the
filaments are not in series, this was a surprise to
me.

At this point it looks like the big power transformer.

Any help, papers would be appreciated.

73 de KE3FL
Phil Karras

=====

Phil Karras, KE3FL
ke3fl@arrl.net
Alt: ke3fl@juno.com
Web: <http://www.qsl.net/ke3fl>

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Date: Fri, 12 May 2000 05:51:14 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: john@neketnetwork.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70007] Re: Loop!
Message-ID: <20000512125114.21019.qmail@web2005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just a few quickies ...

everything looks pretty good overall.

(1) it does not matter too much where you feed it, but at a corner near a support would result in less droop at the feedpoint. this is the "traditional" method to feed it but it should make virtually no difference in the pattern.

(2) ladder line to a balun within a tuner is ideal

(3) i think the impedance is closer to 100 ohms ... but with ladder line feeding it this is no concern. some do successfully feed a loop with coax, but ladder line should be easier to match on more bands

(4) if you have the room, consider a bigger loop sized for 80 meters. it will still work good on 40 and 30 meters.

I don't have a loop yet myself because i don't have trees where i need them (yet!) - but maybe we'll manage to get one up. right now i use an offcenter fed dipole 180 feet long, fed with ladder line also to an MFJ tuner.

73 and good radiation,

Curt WB8YYY

--- john@neknetwork.com wrote:

> Folks, tomorrow I'm going to attempt to put up a
> loop to replace my too
> close the house and too close the ground 40m dipole
> I hustled together
> this winter. I've been hot for a loop all winter,
> but the 5 feet of snow
> in the backyard would have made putting up a loop,
> um, interesting.
>
> I wanted to run some figures and questions by you
> guys and just make
> sure I've got everything correct;
>
> I'm building the loop for 40m, so it's: $1005/7.000$
> == abt 143 and a half
> feet total length. Divided by 4 is 35 feet 11 inches
> (rounded) per leg.
>
> I want to feed the loop about midway through one of
> the legs with about
> 25 feet of 450 ohm ladder line. The ladder line will
> be run to my MFJ
> tuner's balanced line posts. The tuner has a built
> in 4:1 balun for
> these posts.
>
> And here are the questions;
>
> 1. Does this seem correct?
>
> 2. Will the impedance mis-match between the feed
> point on the antenna
> and the ladder line matter? I understand the
> feedpoint will be around 50
> ohms. Should I use coax instead?
> --
> John Wagner - john@neknetwork.com
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Date: Fri, 12 May 2000 05:47:36 -0700
From: David Shalita <af389@lafn.org>
To: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [70008] RF Sponge -"solved"
Message-ID: <391BFD68.9559F799@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Great news,

My friend Hugh, W6WTU has solved his "RF Sponge-QTH problem and wishes to thank everyone who made suggestions.
The following message is from W6WTU, Hugh Wells.
Thank you EVERYONE for your help.
73, W6MIK
--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

=====
Please forward this note to Hal and EVERYONE on Digests as they perhaps will be interested in what has been done to find and resolve the RF Sponge situation at my house.

Hal was absolutely correct about my "house" location NOT being an RF Sponge. I appreciate his effort and attention to my problem.

As a quick history summary, we've been chasing the RF Sponge situation for a little over two years and have now resolved the problem with the repair of the 12db Comet antenna. A solder joint had come apart in the upper 12-foot section and even with the internal components laying out on the ground, the problem wasn't evident.

While measuring the values of the internal disc capacitors I discovered the bad joint and sweat it together with solder. The antenna now exhibits the 12db design gain as it should.

To actually pin point the antenna as a problem required some lengthy antenna range monitoring and comparison with known antennas along with

another repeater site located two miles north.

For antenna gain comparison tests, I built up a folded dipole which exhibited a 3db cardioid pattern, and a 5-element Yagi with a design gain of 9db. The 12db Comet compared equally with the 3db folded dipole and failed against the Yagi. BTW: VSWR never appeared to be an issue and was below 1.8:1 on all antennas - even the bad Comet.

The test method used was to operate the respective antennas in a receiving mode while keying up three remote repeaters individually located beyond 25 miles and spread equally across a 170 degree horizontal plane. Signal strength and noise was compared between each of the three sites as well as to how each antenna performed relative to each site.

The repeater located 2-miles north was the one operating as desired and the plan was to achieve the same receiving results from the "house" location since the two locations are of comparable height and view of the terrain. That has now been achieved.

While monitoring mobile stations some 30 miles away through the repeater and simultaneously through the "house" receiver, the signal level and popcorn noise are nearly identical for all of the mobiles.

Therefore, it appears that the RF Sponge issue has now been resolved with the repair of the 12db Comet antenna.

Thanks and 73
Hugh, W6WTU

Date: Fri, 12 May 2000 08:44:05 -0500
From: "Mike D." <hrg@cifnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70009] RE: HELP: Hammerlund, Not a QRP receiver? It is now.
Message-ID: <000c01bfbc18\$23d594a0\$07ad4ec6@mike1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Well, if we count input power I guess the old
> Hammerlund HQ-170 is not QRP, tho' right now it might
> qualify ;-)
>
> I need a service manual for this RXer, does anyone

> have them or know of where I could get them?

Try "BAMA!" The Boat Anchor Manual Archive. <http://bama.sbc.edu/> (It's a good one to bookmark).

73 de Mike, N9BOR
FISTS NR 4594 SOC # 116
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.

Date: Fri, 12 May 2000 09:59:41 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [70010] 2 questions:
Message-ID: <002901bfbc1a\$557c8a20\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Folks,

I have 2 questions I'd like to ask of the list:

- 1) Is it practical to use the poly-insulated variable caps from cheap transistor AM radios in a QRP antenna tuner? (Seeing the recent question about 365 pF caps got me wondering.)
- 2) Is there someplace online where I can do a text search on the archives of this mailing list? There's a lot of wisdom in this group, and it'd be great to be able to sniff through back "issues."

Dave

David Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Fri, 12 May 2000 06:06:55 -0700
From: Paul Erickson <paule@sfu.ca>
To: dlh1009@ritvax.isc.rit.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70011] Re: 2 questions:
Message-ID: <391C01EF.D113ADDDB@sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Hinerman wrote:

>
> Folks,
>
> I have 2 questions I'd like to ask of the list:
>
> 1) Is it practical to use the poly-insulated variable caps from cheap
> transistor AM radios in a QRP antenna tuner? (Seeing the recent question
> about 365 pF caps got me wondering.)
>

Hi Dave,

I cannot speak to your second question, but I have used the caps you mention in a few qrp tuners, and they seem to work fine. I am not in any position to make any sophisticated measurements comparing them to other possible caps, but they have handled up to 5-7 watts without problem.

--

cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

"Those who hear not the music, think the dancers mad..."

Date: Fri, 12 May 2000 07:06:59 -0700
From: Bruce Grubbs N7CEE <n7ceeqrp@earthlink.net>
To: john@nekenetwork.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70012] Re: Loop!
Message-ID: <4.3.1.0.20000512070154.00b84340@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

John,

I have the same size loop hung from trees and one push-up mast, here at home. It's fed with coax at a corner. It tunes up well (with a ZM-2, MFJ, or K2 ATU) on all bands 80-10, and is even usable on 160.

For field work, I use a 270 foot loop, fed with transmit ladder lline through a 4:1 balun. It's the best field antenna I've used so far.

I would like to replace the coax feed on my home loop with ladder line, and probably will this summer.

72

Bruce N7CEE

Date: Fri, 12 May 2000 10:23:34 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [70013] Re: 2 questions:
Message-ID: <01f801bfbc1d\$ab9e1240\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> 1) Is it practical to use the poly-insulated variable caps from cheap
> transistor AM radios in a QRP antenna tuner? (Seeing the recent
question
> about 365 pF caps got me wondering.)
>
> Dave

Well, the poly sheets may be lossy, but otherwise...

I'd think VERY practical! However be aware that the breakdown voltage of these caps can be VERY low. In addition, you have to remember that you are using the tuner to adjust a complex circuit (with regard to reactive values) and voltages across the cap under certain conditions may be MUCH higher than you would expect.

Hey, they are so cheap and readily available, I'd try it and see.

I wonder how 'lossy' they would be compared to an air gap...

Mike

Date: Fri, 12 May 2000 10:07:49 -0400
From: "Steve Hudson" <steve.hudson@cmdg.com>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70014] RE: 2 questions:
Message-ID: <000301bfbc1b\$746cf5e0\$7c5ebfa8@acpdceditor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave --

Those poly caps will work fine at low power levels.

Another possibility is to look at compression trimmers. If you can find the right value, they'll work too -- and they are small! They also offer the advantage of greater tuning range, as several shaft turns are required to tune through the capacitor range. Now and then you'll find some compression trimmers with small shafts already affixed; if not, a little epoxy and some 1/4-in. rod works wonders. Just be aware that, depending on your tuner design, the shaft may or may not be grounded. If the design allows, construct your circuit so that it is. Otherwise, use plastic or bakelite for the shaft.

Steve AA4BW

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> David Hinerman
> Sent: Friday, May 12, 2000 10:00 AM
> To: Low Power Amateur Radio Discussion
> Subject: 2 questions:
>
>
> Folks,
>
> I have 2 questions I'd like to ask of the list:
>
> 1) Is it practical to use the poly-insulated variable caps from cheap
> transistor AM radios in a QRP antenna tuner? (Seeing the recent question
> about 365 pF caps got me wondering.)
>
> 2) Is there someplace online where I can do a text search on the
> archives of
> this mailing list? There's a lot of wisdom in this group, and
> it'd be great

> to be able to sniff through back "issues."

>

> Dave

>

> -----

> David Hinerman WD8CIV

> Ontario, NY Grid FN13IF

> dlh1009@rit.edu

>

>

Date: Fri, 12 May 2000 10:22:49 -0400

From: David Hinerman <dlh1009@ritvax.isc.rit.edu>

To: qrp-1 <qrp-1@Lehigh.EDU>

Subject: [70015] Re: 2 questions:

Message-ID: <003a01bfbc1d\$908ee2e0\$2d0a05cc@rochester.com>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

> I'd think VERY practical! However be aware that the breakdown
> voltage of these caps can be VERY low. In addition, you have to
> remember that you are using the tuner to adjust a complex circuit
> (with regard to reactive values) and voltages across the cap under
> certain conditions may be MUCH higher than you would expect.

>

> Hey, they are so cheap and readily available, I'd try it and see.

>

> I wonder how 'lossy' they would be compared to an air gap...

Mike,

I was thinking of something to go along with a TT2, SMK-1, or other <1W transmitter. On the one hand, it'd be less likely to hit a high enough voltage to puncture the insulation. But on the other hand, something sending that little power to begin with can't really afford much loss, either. I'll probably give it a try anyhow - there are a couple salvage stores in the area that sometimes have pocket radios cheap. And besides, yard sale season is just starting.

Thanks for the feedback.

Dave

Date: Fri, 12 May 2000 10:12:05 -0400
From: "Steve Hudson" <steve.hudson@cmdg.com>
To: <wb3gck@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70016] RE: SMK-1 #133 - Smoke Escape!!
Message-ID: <000401bfb1c1c\$0ce36ac0\$7c5ebfa8@acpdceditor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Craig wrote:

> and a piece of plastic flew up and hit me in the forehead!

A good heads-up for us all to wear some sort of eye protection when homebrewing!

Steve AA4BW

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Craig LaBarge
> Sent: Thursday, May 11, 2000 10:29 PM
> To: Low Power Amateur Radio Discussion
> Subject: SMK-1 #133 - Smoke Escape!!
>
>
> I finished up my SMK-1 a few days ago but didn't have
> a chance to check it out until tonight. I was getting
> about 340 mW out of the transmitter but the receiver
> was stone dead. While doing some trouble shooting
> around the 386 audio amp chip, the probe of my
> voltmeter slipped, there was a "crack", and a piece of
> plastic flew up and hit me in the forehead! Yikes! I
> blew a hole in the '386 and the smoke escaped from it.
> Looks like I took out D10 as well. Still checking
> around for other damage.
>
> Not only did I get to learn how to solder surface
> mount components now I also get to learn how to remove
> them and do some serious troubleshooting!
>
> 73, Craig WB3GCK
>
>

>
>
> -----
> Do You Yahoo!?
> Send instant messages & get email alerts with Yahoo! Messenger.
> <http://im.yahoo.com/>
>

Date: Fri, 12 May 2000 08:25:56 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: ke3fl@yahoo.com
Subject: [70017] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
Message-ID: <391C1474.78F97D2A@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can find an on-line copy of Hammarlund equipment
and specifically the HQ170 at:

<http://bama.sbc.edu/hammarlund.htm>
<ftp://bama.sbc.edu/downloads/hammarlu/hq170/>

This is one of the best sites on the internet and
the download manuals/info are top quality. Ken is
always looking for new input, so if you have info
and willing to scan and share, one might give a look.

73
Ray

--
"The more I see of the representatives of the people, the more I
admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

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<http://www.netzero.net/download/index.html>

Date: Fri, 12 May 2000 10:39:11 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [70018] Re: 2 questions:

Message-ID: <004501bfbc1f\$dbcf7ec0\$2d0a05cc@rochester.com>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

> Another possibility is to look at compression trimmers. If you can find the
> right value, they'll work too -- and they are small! They also offer the
> advantage of greater tuning range, as several shaft turns are required to
> tune through the capacitor range. Now and then you'll find some
compression
> trimmers with small shafts already affixed; if not, a little epoxy and
some
> 1/4-in. rod works wonders. Just be aware that, depending on your tuner
> design, the shaft may or may not be grounded. If the design allows,
> construct your circuit so that it is. Otherwise, use plastic or bakelite
for
> the shaft.

Steve,

I wasn't aware that compression trimmers had capacitances that high. I'll
look into them. Thanks!

Dave

Date: Fri, 12 May 2000 07:52:55 -0700 (PDT)

From: Philip Karras <ke3fl@yahoo.com>

To: qrp-l@lehigh.edu

Subject: [70019] RE: Hammerlund HQ-170

Message-ID: <20000512145255.13181.qmail@web2202.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Thanks to all who responded with where to get the
schematics. There is a site that has them for download
as JPG files, I'll give that a try this weekend or
over lunch today.

73 de KE3FL

=====

Phil Karras, KE3FL

ke3fl@arrl.net

Alt: ke3fl@juno.com
Web: <http://www.qsl.net/ke3fl>

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<http://im.yahoo.com/>

Date: Fri, 12 May 2000 07:54:36 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [70020] RE: Hammerlund HQ-170
Message-ID: <20000512145436.9635.qmail@web2205.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Oops, forgot to include this:

<ftp://bama.sbc.edu/downloads/hammarlu/hq170/>

Thanks all for advice & info!

72 & 73 de KE3FL

=====
Phil Karras, KE3FL
ke3fl@arrl.net
Alt: ke3fl@juno.com
Web: <http://www.qsl.net/ke3fl>

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Date: Fri, 12 May 2000 10:54:50 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <dlh1009@ritvax.isc.rit.edu>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [70021] A trimmer true tale
Message-ID: <000201bfbc22\$06d81e40\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave, Steve, et al:

Compression trimmers come in a rather wide variety of shapes and sizes. I found some 600 pF (yes, 600 uuF) variable compression jobbies in an old and rusty Sonar marine (2182 kHz) transceiver that N1HLW gave me. I stripped it for parts. I wound up using one of these trimmers in my 20-meter SSB transceiver's PA output filter (I wanted to be able to adjust it).

I actually disassembled the trimmer, removed the screw shaft, and removed plates and mica insulation wafers one at a time until I wound up with the value range I desired! I then reassembled it, and voila! It worked FB. (Let me tell you, I was amazed that that worked out as well as it did). :-)

So, keep yer eyes open and ears to the ground. GL es vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L # 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of David Hinerman
Sent: Friday, May 12, 2000 10:39 AM
To: Low Power Amateur Radio Discussion
Subject: Re: 2 questions:

> Another possibility is to look at compression trimmers. If you can find the
> right value, they'll work too -- and they are small! They also offer the
> advantage of greater tuning range, as several shaft turns are required to
> tune through the capacitor range. Now and then you'll find some
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> trimmers with small shafts already affixed; if not, a little epoxy and
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> 1/4-in. rod works wonders. Just be aware that, depending on your tuner
> design, the shaft may or may not be grounded. If the design allows,
> construct your circuit so that it is. Otherwise, use plastic or bakelite
for
> the shaft.

Steve,

I wasn't aware that compression trimmers had capacitances that high. I'll look into them. Thanks!

Dave

Date: Fri, 12 May 2000 11:11:58 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [70022] Re: 2 questions:
Message-ID: <000d01bfbc24\$6f12a280\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've never seen them that high in value, but you can always 'stage' them. Put one in that goes to say 100pf, then a switch adds another 100pf in parallel, then a second switch, and so on.

Most of the compression caps are standard thread. I'll pull the screw out and put in a threaded rod with a nut locked down to get a 'shaft' out of them. If you can put on a 'standoff' with the same thread, you could have a shaft right there....

If you needed it insulated, just screw on a nylon standoff. You'd still have the central threaded shaft that was 'hot' but it would be surrounded by nylon, and we're only talking QRP levels here. To make it more secure, you might want to 'score' the threads on the threaded rod, then make sure you can get the insulated standoff on and off easily. Smear just a thin coating of epoxy on the threads that you TESTED EARLIER to make sure it will bond with the nylon standoff, and then mount the standoff. The epoxy will bond to the nylon and be 'set' into the grooves of where you scored the threaded shaft. Hopefully that should make it 'secure' enough to keep the standoff from breaking free and spinning if it's ever 'gorilled down' full stop against the cap.

One other thing... Be careful about going full compression. I've seen some caps damaged if that's done with too much force.

Mike

> > Another possibility is to look at compression trimmers. If you can find
> the
> > right value, they'll work too -- and they are small! They also offer

the
> > advantage of greater tuning range, as several shaft turns are
required to
> > tune through the capacitor range. Now and then you'll find some
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> > trimmers with small shafts already affixed; if not, a little epoxy
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> > 1/4-in. rod works wonders. Just be aware that, depending on your
tuner
> > design, the shaft may or may not be grounded. If the design allows,
> > construct your circuit so that it is. Otherwise, use plastic or
bakelite
> for
> > the shaft.
>
> Steve,
>
> I wasn't aware that compression trimmers had capacitances that high.
I'll
> look into them. Thanks!
>
> Dave
>
>
>

Date: Fri, 12 May 2000 08:00:19 -0700
From: Maurice L Haynes <kv7g@juno.com>
To: ke3fl@yahoo.com
Cc: qrp-1@Lehigh.EDU
Subject: [70023] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
Message-ID: <20000512.080021.-44940057.0.kv7g@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

It's been a long time since I have owned an HQ-170, but I seem to
remember that perhaps the clock was also a timer that could be set to
turn the radio on. I would check for that feature and see if that is the
problem.

Bud - KV7G - Yuma, AZ

>

>
> The problem id that power is not getting to anything
> but the clock, fuse is OK. I
> ke3fl@arrl.net
> Alt: ke3fl@juno.com
> Web: <http://www.qsl.net/ke3fl>
>
> -----
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> <http://im.yahoo.com/>

Date: Fri, 12 May 2000 11:21:52 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-1@lehigh.edu
Subject: [70024] SMK-1 #22 alive and well
Message-ID: <v03102806b541d0f8dddc@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I finished up SMK-1 # 22 Saturday night but haven't had time to put it on the air much. Using a Weller/Ungar ESD station with the stock tip worked out fine for the SMT parts. I was lucky, no parts flew off into the carpet and it came up running. The WM-2 says it's putting out about 350mW with 13.8VDC applied. It seems to be receiving well also. A couple of CQs didn't yield that elusive first QSO.

I'll be looking around 7.038 tomorrow afternoon, 5/13, if any east coast SMKs are on the air.

72,

Rick Robinson kf4ar

Date: Fri, 12 May 2000 08:34:53 -0700 (PDT)
From: Doug Bankston <dougbankston1@yahoo.com>
To: wb8yyy@yahoo.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70025] VQS member bitten by snake
Message-ID: <20000512153453.14769.qmail@web4307.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello everyone,

Just wanted to remind everyone who may operate QRP from the great outdoors to be careful of snakes. Those suckers can jump out and bite you from quite a distance.

I was bitten by a poisonous snake recently during QRPttf. He struck me from almost 5 feet away. You can read the story at

www.qsl.net/vqs/qrppttf2k.htm

72

Doug W4IDW

Virginia QRP Society

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Date: Fri, 12 May 2000 08:56:17 -0700 (PDT)

From: Curt Milton <wb8yyy@yahoo.com>

To: n7ceeqrp@earthlink.net, qrp-l@Lehigh.EDU

Subject: [70026] Re: Loop!

Message-ID: <20000512155617.16997.qmail@web2005.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Bruce,

FB on your 40m full wave loop. I may be able to deploy one this size - and I am wondering if you have done any comparisons there to a dipole?

The only "downfall" of coax feed might be radiation from its outer conductor ... but this may not necessarily be bad. If things are working and it loads up okay every where you want to operate, I would not go to the trouble of using ladder line! It might even reduce the antenna's usefulness on 80 and 160 ! You may not see a big difference from the reduced loss of ladder line. "If it ain't broke leave it alone."

Curt WB8YYY

antenna farm so far is:

off-center fed dipole, 180 feet long, only 25 feet high

homebrew 2 element quads for 10 and 6 meters

R5 vertical

small beam & vertical for 2m.

maybe a loop would be nice send trees!

--- Bruce Grubbs N7CEE <n7ceeqrp@earthlink.net> wrote:

> John,

> I have the same size loop hung from trees and one

> push-up mast, here at

> home. It's fed with coax at a corner. It tunes up

> well (with a ZM-2, MFJ,

> or K2 ATU) on all bands 80-10, and is even usable on

> 160.

>

> For field work, I use a 270 foot loop, fed with

> transmit ladder line

> through a 4:1 balun. It's the best field antenna

> I've used so far.

>

> I would like to replace the coax feed on my home

> loop with ladder line, and

> probably will this summer.

>

> 72

> Bruce N7CEE

>

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Date: Fri, 12 May 2000 11:59:41 -0400

From: Hank <elly@epix.net>

To: qrp-l@Lehigh.EDU

Subject: [70027] Re: 2 questions:

Message-ID: <391C2A6C.E2C8A750@epix.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Dave, I have been using 2 of those poly caps in a tuner design by
W1FB (QST
Oct 1973 Page 11). They are still going strong. By the way Dan's small
parts lists them with shafts.
Hank K3PM

Date: Fri, 12 May 2000 11:09:08 -0500
From: Mike Souhrada <wb9iog@revealed.net>
To: ke3fl@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70028] Re: HELP: Hammerlund, Power
Message-ID: <391C2CA4.3E32976B@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Phil
I missed the beginning of this thread.
Yes there are two A/C switches on the unit.
The clock switch with the timer needs to be turned on.
Further the A/C switch on the (AF or RF control) also
needs to be turned on. On my 180 it's the RF control.

I bought that 180 real cheap because the seller said it
wouldn't run. Part of the problem were those two switches.
Guess he didn't know that. I told him that at a HF on day
#1, Day #2 it still sat there. There were more problems (long
story but interesting) but that was his main problem.
Well I took it home, and that's my find of the century.

Mike

Philip Karras wrote:

>
> The problem id that power is not getting to anything
> but the clock, fuse is OK. I did a quick check to try
> and follow the filament power line and found that the
> filaments are not in series, this was a surprise to

> me.
> At this point it looks like the big power transformer.
>
> Any help, papers would be appreciated.
>
> 73 de KE3FL
> Phil Karras
>
> =====
> Phil Karras, KE3FL
> ke3fl@arrl.net
> Alt: ke3fl@juno.com
> Web: <http://www.qsl.net/ke3fl>
>
> -----
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> <http://im.yahoo.com/>

Date: Fri, 12 May 2000 11:18:17 -0500
From: Lee Bahr <w5drc@earthlink.net>
To: ke3fl@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70029] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
Message-ID: <391C2EC9.7FFF15FF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you want to purchase a manual that looks and feels like a REAL ORIGINAL, purchase the manual from:
Out of Print Manuals and Schematics, Alvin J Bernard, PO Box 690098,
Orlando, Florida 32869-0098 Tel nbr: 407-351-5536 e-mail him at:
ni4q@juno.com
You can't get a better reprint then this. It hard to tell the difference from an original.
Lee Bahr w0vt

Philip Karras wrote:

> Well, if we count input power I guess the old
> Hammerlund HQ-170 is not QRP, tho' right now it might
> qualify ;-)
>
> I need a service manual for this RXer, does anyone
> have them or know of where I could get them?

>
> The receiver belongs to another Ham friend and I'm
> fixing it for him.
>
> The problem id that power is not getting to anything
> but the clock, fuse is OK. I did a quick check to try
> and follow the filament power line and found that the
> filaments are not in series, this was a surprise to
> me.
> At this point it looks like the big power transformer.
>
> Any help, papers would be appreciated.
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> 73 de KE3FL
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> =====
> Phil Karras, KE3FL
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> Web: <http://www.qsl.net/ke3fl>
>
> -----
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Date: Fri, 12 May 2000 09:54:52 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [70030] WANTED: 11.046 MHz HC49 crystal(s)
Message-ID: <391C375C.3843@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need one or two 11.046 MHz crystals (style HC-49) to extend the VX0 range of a recently purchased SST/40m. I could, of course, get them from Digi-Key but trading with friends is so much more fun (besides no minimum purchase to deal with).

73 all

K7GT Allan

--

Allan Taylor K7GT k7gt@qsl.net

Date: Fri, 12 May 2000 13:02:08 -0400
From: "curt" <k3ivb@stargate.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [70031] FS: QRP STN
Message-ID: <001201bfbc33\$d09f0660\$a34297d8@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

QRP station Oak Hills Research 400 4 band 20 30 40 80 mtr at 5 plus watts
with built in keyer, digital readout, WM-2 Watt mtr that reads very accurate
at low power, 4 amp regulated power supply, all paper wrk, all very mint
with little time on it. Shipped 48 \$375 "Sorry, Package Only"

72....Curt

Date: 10 May 2000 13:06:04 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: wb3gck@yahoo.com
Cc: qrp-1;;
Subject: [70032] Re: SMK-1 #133 - Smoke Escape!!
Message-ID: <2000May10.130604-0400@[130.113.234.7]>

Craig,

Maybe this experience entitles you to call
yourself a SMK-1 zombie ;-)

Welcome to the walking-wounded hambrewer group.
I've been attacked by T0-72 transistors in the same
way - it missed, but went "ka-zing" off a nearby wall.
Have been branded by these too, with a little "D"
blister on a fingertip.

An electrolytic did get me once in the
side of the face. T'was just a little one, but packed

a big punch. Ears were ringing for minutes afterward, and had to wash the debris off my temple. Was a "wrong polarity" error on my part.

Thank goodness the aluminium can went in a different direction.

Tantalum caps CAN do the the same, but the epoxy ones tend to hold together, waiting to sizzle a finger when you feel about.

Back in schooldaze, we left a few 2N2222 cans embedded in the ceiling tiles. We learned to mount them in the breadboards so they pointed "up". ;-) Oh, and all these were *supposed* to be QRP circuits. Duck & cover if you let me near anything QRO ;-)
-Glen VE3DNL

In <20000512022925.17738.qmail@web702.mail.yahoo.com>, Craig LaBarge wrote:
[...] While doing some trouble shooting
>around the 386 audio amp chip, the probe of my
>voltmeter slipped, there was a "crack", and a piece of
>plastic flew up and hit me in the forehead! Yikes! I
>blew a hole in the '386 and the smoke escaped from it.

Date: Fri, 12 May 2000 10:28:01 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>, n6kr@qsl.net, Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
Subject: [70033] K2 Output Impedance test.
Message-ID: <391C3F21.981A566F@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang, I did many tests on the K2 yesterday and today. I found it wonderful to check the RX bandpass filters on the Network analyzer. You can easily see the interaction between the adjustments.

Additionally, I tested the rig output port match while in TX mode with 100 mW RF drive to a RF limiter into the S-parameter test set on the HP8505A network analyzer. Results were difficult to interpret and unexpected.

So I took an indirect approach of testing the K2 output port match. The output of the K2

was set to 4 watts to the WM-2 and out to a 50 ohm load thru the ZM-2. I tuned the ZM-2 for minimum reflected power. I then measured the ZM-2 port match on the S-parameter test set.

I only tested 40 and 10 meters for now and got excellent numbers. -24 dB return loss. That is a great port match number.

The K2 continues to amaze.

72/Ed we6w

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Fri, 12 May 2000 13:29:28 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [70034] Re: SMK-1 #133 - Smoke Escape!! (OT)
Message-ID: <005901bfbc37\$a32ece00\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> An electrolytic did get me once in the
> side of the face. T'was just a little one, but packed
> a big punch. Ears were ringing for minutes afterward,
> and had to wash the debris off my temple. Was
> a "wrong polarity" error on my part.

Glen,

Ah, the glory days of destruction! I have a few brands myself. (A Harris logo, from an overheated RAM chip, for example.)

Dad had the best 'lytic adventure, though. whe I was in high school, he and I took a night class at the local community college. The class was on PC board fabrication. The "final" was a project in which we had to design (or copy) a circuit, lay out a board, and etch it using tape-on-board. The school had a really nice vertical spray etching tank, BTW.

Anyway, Dad's project was a 12V power supply so he could run his CB radio in the house. He did an excellent job of laying out the board, bought an 18 volt transformer and fancy cabinet from Radio Shack, and scrounged the rest

of the parts out of my junk box. He assembled it all at home, and took it to the next class to show it off. As we stood around the bench listening to the local chatter on Ch. 19, there was a loud BAM. After we all crawled out from under the other workbenches we could see bits of brown paper clogging the vent holes of Dad's power supply.

An quick autopsy by the instructor revealed the cause of death: Dad had used 25 volt caps for the main filters, reasoning that $25 > 18$. The instructor explained about peak voltage on an RMS waveform, which in Dad's case would have charged his caps right to the limit. Being junkbox caps, they just couldn't quite keep up.

The next weekend Dad went to Radio Shack and bought some 35 volt caps, which the instructor assured him were sufficient. The rest of the circuit was undamaged, so Dad installed the caps and brought the supply and radio in to the next class. We were standing around the bench listening to the local chatter on Ch. 19, when BAM!

Dad had installed the new caps backwards.

Dave

David Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Fri, 12 May 2000 11:19:30 US/Pacific
From: top@whidbey.com
To: qrp-l@Lehigh.EDU
Subject: [70035] Re: TT2 Photo Gallery Update!
Message-ID: <200005121823.LAA16328@mail.whidbey.com>

Raymond: The NJ club site is at www.njqrp.org - a great site, btw!
They have good info and other kits as well, and their great magazine "QRP Homebrewer" - check it out!
72/73, Terry K7OI

> Greetings,
> Could someone post the site for the NJQRP TT2 kits.
> Thanks,
>
> Raymond

>
AC5QV

Date: Fri, 12 May 2000 13:31:45 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [70036] Re: 2 questions:
Message-ID: <04fd01bfbc40\$5ce4f1a0\$0200000a@mcg.net>

Hi Dave,

I've seen plenty of answers to your first question, but not a one to your second so here goes.

----- Original Message -----

From: "David Hinerman" <dlh1009@ritvax.isc.rit.edu>

| 2) Is there someplace online where I can do a text search on the archives of
| this mailing list? There's a lot of wisdom in this group, and it'd be great
| to be able to sniff through back "issues."

Currently there is not a web search of the archives available that I know of. But you can search the archives via email. I've done it and it works quite well although it does take some time. The instructions are in the email that was sent to you when you subscribed. You did save that didn't you? If not, send a message to listserv@lehigh.edu and in the body of the message, not the subject line type:

help search
help get

This will return detailed help messages on the search and get commands. The search command allows you to search for keywords, dates, subjects etc. The search will return the archive numbers for messages that contain your search words with a little snippet of the message I believe. It's been awhile since I've done this. Then you send another message using the get command and archive number of the message of interest and it will return the message to you. (Or it might return the entire daily archive, I can't remember.) Well anyway, you can search and retrieve information and it does work fairly well.

Hope this Helps,

73 de KA0GKC Claton Cadmus
ka0gkc@arrl.net
MNQRP #1

Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Fri, 12 May 2000 14:59:08 -0400
From: "John Humphrey" <jhumphre@ultra-tech.com>
To: qrp-l@lehigh.edu
Subject: [70037] QRPTTF
Message-ID: <s91c1c85.065@ultra-tech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

HI Gang,

QRPTTF is history now but a side trip to the Dakotas kept me from =
reporting before this. I was on the air about 3.5 hours, made 22 =
contacts, watched a friend pull 20-some trout (I think he had more fish =
than I had QSO's) from the pond, and pretty much had a great time. I have =
a fairly benign report posted (it will be soon!) on the VQS web page =
complete with a picture (maybe 2 or 3). But the real interesting report =
is from Doug W4IDW. He had some real excitement in this years contest. =
His article can be found on the VQS home page also. Hope you were one of =
the lucky ones to work him using W4VQS on our first contest with the new =
club call. Look for us during Field Day and other QRP contests as time =
and operators permit.

72,73,
John W4IM QRP-L #1691 VQS #22
Stafford, Va
www.qsl.net/vqs

Date: Fri, 12 May 2000 15:12:24 EDT
From: Rod Johnson <ka7you@juno.com>
To: QRP-L@LeHigh.EDU
Subject: [70038] (OT?)General QRP & Post virus report
Message-ID: <20000512.112925.4479.6.ka7you@juno.com>

After having trouble keeping up with the list mail for a month or so due
to other life/family functions, I had the Juno server apparently down for
three days. Talk about a dry spell...and of course I use it for other
things than just QRP-L... but I actually attempted to find my long

burried bench and a soldering iron to start on my SMK-1.

Actually my free Juno does not allow attachments, so maybe that saved dome grief, but the AOL accounts were fine too. I think I was very lucky.

I've got the last of the kids graduating from high school (empty nest, here we come), and a wife and two other good friends retiring from teaching; so with all the parties planned it will be a very busy spring.

I'd planned to do field day with the local club (I'm chairman this year) and the QRP gear this year, but other commitments are placing me in Montana for the weekend, so I hope to get in some HF mobile operation.

Today the dam burst, and I'm playing catch up with the list. If life is this busy before retirement, and everyone says they have less spare time after retiring, I'm not sure I can cope with it. The one thing I do know is that the 5AM alarm clock will definitely go after retiring.

Keep the list coming-I'm doing a life cycle test on the <DELETE> key, and it is holding up very well. :>)

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

80M thru 10M with K2 s/n268 and other fine QRP rigs.

VHF thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 SOC#184 and others

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 12 May 2000 15:32:40 -0400

From: David Hinerman <dlh1009@ritvax.isc.rit.edu>

To: qrp-l <qrp-l@Lehigh.EDU>

Subject: [70039] Re: (OT?)General QRP & Post virus report

Message-ID: <008e01bfb48\$d8d13640\$2d0a05cc@rochester.com>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

> I've got the last of the kids graduating from high school (empty nest,
> here we come), and a wife and two other good friends retiring from
> teaching; so with all the parties planned it will be a very busy spring.
> I'd planned to do field day with the local club (I'm chairman this
> year) and the QRP gear this year, but other commitments are placing me in
> Montana for the weekend, so I hope to get in some HF mobile operation.

Rod,

When Dad retired from teaching we had to get him interested in radios and computers just so Mom wouldn't kill him for being underfoot all the time.

> Today the dam burst, and I'm playing catch up with the list. If life
> is this busy before retirement, and everyone says they have less spare
> time after retiring, I'm not sure I can cope with it. The one thing I do
> know is that the 5AM alarm clock will definitely go after retiring.

Ever build a potato cannon? (Grin)

Dad concluded the reason that he's busier now than before he retired is because everybody assumes he has nothing else to do. So, if you value your free time, practice saying "no." (Grin)

Dave

David Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Fri, 12 May 2000 15:39:49 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [70040] More resonant speakers test.
Message-ID: <000b01bfbc49\$d65b37c0\$4d5730d1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well El Cheapo has out done himself.

Some months back I downloaded a free program "Digipan" for PSK31. While diddling with the program I quickly realized a part of the program is an audio spectrum analyzer. Nice. Always wanted one.

In the last couple of days I have been experimenting with the CC-1 (cottage cheese 24 oz.) resonant speaker filter.

I was wondering if the "Digipan" spectrum would help me see what was going on. So I acoustically coupled (turned the speaker up on the receiver so the mike input on the computer could detect the audio from the receiver) the

receiver to the computer. Once again Viola. or maybe even Eureka! I observed the audio spectrum on "Digipan" The spectrum was from 600 hertz to 1 khz. Perfect! I wanted my center freq. to be about 750 hertz.

As the saga continues, I do believe I can run test with different materials for the tube and see if I can find a higher "Q" filter.

Nice job, El Cheapo

Vic AD8K

Date: Fri, 12 May 2000 15:52:28 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [70041] Re: More resonant speakers test.
Message-ID: <009701bfbc4b\$9f40dae0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> I was wondering if the "Digipan" spectrum would help me see what was going
> on. So I acoustically coupled (turned the speaker up on the receiver so
the
> mike input on the computer could detect the audio from the receiver) the
> receiver to the computer. Once again Viola. or maybe even Eureka! I
> observed the audio spectrum on "Digipan" The spectrum was from 600 hertz
> to 1 khz. Perfect! I wanted my center freq. to be about 750 hertz.
>

Victor,

Sigh. You've stumbled onto one of my best-kept secrets for tweaking audio filters - a speaker, and a computer running an audio spectrum analyzer program.

If you want to fiddle with the shape of the audio passband, attach a broadband (a.k.a. noise) source to the receiver input.

Also, if El Cheapo wants an RF spectrum analyzer, pipe receiver audio into the computer and use the widest filter available. Instant (well, sort of) RF spectrum. So it only covers a few kilohertz, and the dynamic range is peanuts, but it's cheap!

Have fun!

Dave

David Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Fri, 12 May 2000 15:14:42 -0500
From: "George T. Baker" <w5yr@att.net>
To: victor@brecnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70042] Re: More resonant speakers test.
Message-ID: <391C6632.AD3A499F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

An even better program with many more "tweaks" and adjustments is SpectroGram. Don't have a URL for it at hand, but a search should turn it up.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 R/Ving since 1972 Kachina #91900556

Victor Blackwell wrote:

>
> Well El Cheapo has out done himself.
>
> Some months back I downloaded a free program "Digipan" for PSK31. While
> diddling with the program I quickly realized a part of the program is an
> audio spectrum analyzer. Nice. Always wanted one.

Date: Fri, 12 May 2000 13:16:40 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: leinwebe@mcmail.cis.McMaster.CA
Cc: qrp-l-mailing-list <qrp-l@lehigh.edu>
Subject: [70043] Re: SMK-1 #133 - Smoke Escape!!
Message-ID: <20000512201640.121.qmail@web705.mail.yahoo.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Glen:

I enjoyed your note. It's an honor to be one of the Homebrewing Walking Wounded. It's been quite a while since I last exploded a semi-conductor. It brought back electronics school memories for me, as well.

This wasn't my worst disaster, though. Back in electronics school my lab partner and I were breadboarding a power supply for a tube circuit. We got the polarity wrong on a big, old electrolytic cap. After a few seconds of intense sizzling noises, it sprayed nasty gunk down the back of an unsuspecting student in the next row. He wasn't a very happy camper, as I recall. :-)

73, Craig WB3GCK

Do You Yahoo!?
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<http://im.yahoo.com/>

Date: Fri, 12 May 2000 15:29:32 -0500
From: n4so@juno.com
To: qrp-1@Lehigh.edu
Subject: [70044] Willco Electronics/Icom battery backup
Message-ID: <20000512.154848.-155929.17.N4SO@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Willco Electronics
<http://www.ameritech.net/users/willco788/my1.htm>

Jack Albert-- willco788@ameritech.net
Models that ICOM made that had only battery
backup for the control RAM:
IC745
R71A
IC-751A

IC271A/H
IC471A/H
IC-1271A/H

Willco Electronics is a one-person company that makes a board that has non-volatile memory that replaces the ICOM memory board. This will also add 1,024 frequency memories.

The current version of the board is labeled ICM-2024B and it is used in all of the above rigs listed.

AD4S has used this in the IC751A and it works great.

I have not used this board but have seen ads in either CQ mag or QST mag in the past years. Contact Willco Electronics for more info.

DX on 20 mtrs 14.010 3D2AG 0519Z worked with 5 watts last night.

Ken Brown, N4SO
Mobile, AL EM50tk
NorCal-20 at 5 watts
4 element monoband yagi

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 12 May 2000 14:00:45 -0700

From: Radman <radman@best.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'George T. Baker'" <w5yr@att.net>

Subject: [70045] RE: More resonant speakers test.

Message-ID: <01BFBC1A.9F53BCE0@radman.vip.best.com>

George et al,

Spectrogram 5.1 is a free download at URL:

<http://www.monumental.com/rshorne/gram.html>

72,

Conrad - NN6CW

From: George T. Baker[SMTP:w5yr@att.net]
Sent: Friday, May 12, 2000 1:15 PM
To: Low Power Amateur Radio Discussion
Subject: Re: More resonant speakers test.

An even better program with many more "tweaks" and adjustments is SpectroGram. Don't have a URL for it at hand, but a search should turn it up.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

Date: Fri, 12 May 2000 17:00:20 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-l@lehigh.edu
Subject: [70046] HQ170 Alignment
Message-ID: <391C70E4.3164@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry this just surfaced from my old brain. I have been told by various experts on the boatacnhors lists that the IF circiutry of the HQ170 and HQ180 is particualrly sensitive to alignment. I have never had the occasion to try and do an alignment on my HQ170, but I would suggest that you very carefully look into this before you start anything!

73

Date: Fri, 12 May 2000 17:13:42 -0400
From: "John Nall" <nally@talstar.com>
To: <qrp-l@lehigh.edu>
Subject: [70047] Solid state tubes -- an urban myth??
Message-ID: <003301bfbc56\$f4924820\$0231fea9@r6g4f3>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings and salutations to all the honorable members. Being faced with

the challenging task of restoring a piece of tube gear (test gear -- not radio)

I seem to recall that I heard somewhere, sometime, from someone, that one could obtain solid state plug-in replacements for certain tubes. That is, take

the tube out, plug the solid state "tube" in and take off like a goose.

The word

was that it involved something like a regular tube base, with an FET (or whatever)

wired on top. Looked strange, I presume, but worked.

Is this another urban myth? Or do such beasties really exist?

John WB4LOQ (Color me curious)

Date: Fri, 12 May 2000 16:20:04 -0500
From: "George T. Baker" <w5yr@att.net>
To: nally@talstar.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70048] Re: Solid state tubes -- an urban myth??
Message-ID: <391C7584.D67BB0E7@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

These really existed, at least back in the 70's. A fellow in Richardson, TX designed them and did short production runs, mostly for replacement tubes for the Drake C-Line. His name is Howard Sartori, and I think his call was W5DA, but been too long. I doubt very much that he is doing that these days but he did write several tech articles back then - CQ, QST, HR?? - that might give you a starting point.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

John Nall wrote:

I seem to recall that I heard somewhere, sometime, from someone, that one

> could obtain solid state plug-in replacements for certain tubes.

Date: Fri, 12 May 2000 17:28:23 -0400
From: david fouchey <dafouchey@home.com>
To: doug@wtp.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [70049] Re: Phone Company Removes endfed
Message-ID: <391C7777.899B1A31@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AMEN BROTHER! You never forget the first time you cut out and hug the pole...was pulling 6 inch long creosote slivers out of my chest for a week. Please guys this is not funny, some one can get hurt very badly very quickly from such foreign attachments. Did I mention I hate nails?

Dave WA4EMR/8

Manager Communications
CSX Technology
And former lineman.
Doug wrote:

>
> You guys are missing the point:
>
> Dont hassle your local phone company for removing the antenna.
> OSHA (read that the Federal Government) now demands that any
> and all "foreign attatchements" on poles be removed or the company
> will face fines for failing to do so. I've spent over 30 years in the
> business, and can tell you there's no end of injuries that have been
> caused by someone's junk stuck on a pole or nailed on by some
> unknowing or uncaring dolt who either dosent consider what danger
> there is in freeclimbing a pole, or dosent give a damn about those
> of us who do.
>
> My forman used to spend his spare time looking for foreign attatchments
> for us to pull down. And, in the Summer time when things were slack,
> we searched out those poles where the "yard sale" and "lost dog" signs
> had been nailed onto poles. We'd either pull the nails or drive them
> in to clear the heads. This is all part of the job and your local lineman
> was doing his.
>
> Those poles are the property of the utility company, who is responsible
> for making sure they are safe for their employees. Each lineman or
> whomever hikes that stick is going to make sure there's no nails, wires,
> extention cords, Ivy vines or dog restraints stuck to or nailed into that
> pole. Any obstacle of any variety that breaks the normal rythm of
> climbing is a hazzard, and so this is done in consideration of his own

> neck and that of his fellow workers, who for whatever reason might
> "cut out" on that pole and have a sliver infested, painful slide to the
> bottom. Any attachment could mean life threatening injuries to be
> dealt with, in addition to possible abdominal injury due to slivers and
> broken bones that can leave a person incapacitated at the bottom of
> the pole where they could freeze to death or whatever other fate might
> await, should they be alone.
>
> Keep the antennas off utility poles. Talk to your local power company
> or phone company and ask the cost of setting a pole in your yard, rigged
> with steps or a halyard system to simplify raising and lowering antennas.
> I've got a 55 footer from the power company here, and it was reasonable
> in price, cheaper than the same height of tower. Steps would be a good
> alternative to trying your skill at climbing with climbers, as they aren't as
> easy as they look. Leave the hookwork to the pros. Get to know one
> of your local journeymen and they'd no doubt be able to find someone
> to help you out for a few bucks or a hot, juicy, barbecued steak some
> afternoon. Most folks I've worked with would walk a pole any day
> for some good chow and liquid refreshments.
>
> Best luck with your antennas.
>
> 73
>
> Doug, K7YD
> Livingston, MT
>
> Mike Yetts wrote:
>
> > You know, I'd wonder seriously about the fact the lineman removed
> > the wire and THEN knocked on your door.
> >
> > You might have the basis for a serious complaint. If the pole was
> > owned by the phone company, then the phone company was
> > probably within their rights to do that, however there is always
> > the possibility of serious injury to the lineman. They should be
> > advised of that fact. What if you had something like a Swan
> > 700CX pumping out 500W into that wire?
> >
> > On the other hand, if the phone company DOESN'T own the pole,
> > they probably shouldn't have touched your wire. That might take
> > some looking into. As in a lot of areas, pole ownership is split
> > between various groups. When it gets to individual residential
> > distribution poles, it's usually the power company (but it doesn't
> > have to be) who has actual ownership.
> >
> > But regardless, it could have been a safety issue. And you might
> > want to tell the phone company that in any case.

> >
> > Mike

Date: Fri, 12 May 2000 17:56:22 EDT
From: Wa3ptg@aol.com
To: ke3fl@yahoo.com, qrp-1@lehigh.edu
Subject: [70050] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
Message-ID: <c.50f747e.264dd806@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Wasn't there a Hammerlund receiver with a built-in QRP (5 watt) transmitter back in the 60s???

72 DE WA3PTG
Harry (Hap) Hurst NJQRP-EPAQRP
Wilmington DE QRP-L #1464

Date: Fri, 12 May 2000 17:07:01 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [70051] RE: Solid state tubes -- an urban myth??
Message-ID: <000001bfbc5e\$681aae70\$143dc6d8@wb5rue>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I remember this too. I also remember a couple of QST articles in the mid and late 70's on this subject. I'll have to go a-diggin'. You would take a burnt-out tube with the appropriate base plug and build a solid state replacement using transistors, capacitors and resistors. The only real problem was with rigs that uses series filament tube configurations. Ones that had all the filaments of every tube in series. With some rigs you could just leave these disconnected if you replaced all the tubes with these solid-state devices. But some used the filaments as voltage dropping "resistors" for other parts of the rig. Also with some of the tubes the filament WAS the cathode which added more problems and challenges.

The article even showed you how to break the tube glass without shattering it. You place the glass tube in the freezer for an hour or so. Then you take an alcohol-soaked cotton string and tie it around the cold tube. Then

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72/73/oink!

Kevin, WB5RUE

I am Voltohm of Borg, resistance is E/I power is EI, you will be attenuated!

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> George T. Baker

> Sent: Friday, May 12, 2000 4:20 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Solid state tubes -- an urban myth??

>

>

> These really existed, at least back in the 70's. A fellow in

> Richardson,

> TX designed them and did short production runs, mostly for replacement

> tubes for the Drake C-Line. His name is Howard Sartori, and I

> think his

> call was W5DA, but been too long. I doubt very much that he

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> these days but he did write several tech articles back then - CQ, QST,

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>

> 72/73, George

> Fairview, TX 30 mi NE Dallas in Collin county

> Amateur Radio W5YR, in the 54th year and it just keeps getting better!

> R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

>

>

> John Nall wrote:

>

> I seem to recall that I heard somewhere, sometime, from someone, that

> one

> > could obtain solid state plug-in replacements for certain tubes.

>

Date: Fri, 12 May 2000 18:21:01 -0400

From: "Thaire Bryant" <tbry37@ici.net>

To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [70052] FDIM
Message-ID: <200005122224.SAA07681@bajor.ici.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Due to work schedule changes I must cancel my trip to Dayton.

I have a ticket to the Hamvention, QRP banquet, and will mail both to the first request. (free!)

Would only ask to have my T-shirt and Proceedings picked up and posted to me.

Tks es 73

Thaire Bryant W2APF

Date: Fri, 12 May 2000 17:24:27 -0500
From: George F Franklin <w0av@juno.com>
To: Wa3ptg@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [70053] Re: HELP: Hammerlund, Not a QRP receiver? It is now.
Message-ID: <20000512.172503.-11973.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

hI hAP,

Yep, there certainly was a built-in AM CB 5W rig in that model Hammarlund RX.

It may have worked on 10M also. The TX was a single channel Xtal arrangement.

72/73/74 de George/W0AV
SOC #101

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 12 May 2000 18:27:37 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wb5rue@stic.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70054] Re: Solid state tubes -- an urban myth??
Message-ID: <005601bfbc61\$ba3be400\$4220fea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know there were a few sources of these. Most were very limited in the tubes they would replace, and not all were simple drop-ins.

Some versions didn't load the series filament as the original did. But that was actually good. With minor changes you could have a much lower power rig.

I think RCA even carried a few for a short time. But I don't think they made them.

Mike

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>and late 70's on this subject. I'll have to go a-diggin'. You would take
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>> one
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>>
>
>

Date: Fri, 12 May 2000 15:40:25 -0700 (PDT)
From: "Howard W." <k3hw@yahoo.com>
To: nally@talstar.com
Cc: qrp-1@lehigh.edu, njqrp@njqrp.org
Subject: [70055] Re: Solid state tubes -- an urban myth?? - No !! It is true !!!
Message-ID: <20000512224025.18394.qmail@web4303.mail.yahoo.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello John,

There were several solidstate replacements ofr tubes back in the 70's. They were mostly replacements for 5U4's and other rectifier tubes. I believe that they may be available from Surplus Sales of Nebraska.. They were called "Tubesters" or some such thing... I also believe there were some provided by Sherwood Engineering - the company that provided upgrade and mod kits for Collins and Drake equipment.

Howard K3HW

--- John Nall <nally@talstar.com> wrote:
> Greetings and salutations to all the honorable
> members. Being faced with
> the challenging task of restoring a piece of tube
> gear (test gear -- not
> radio)
> I seem to recall that I heard somewhere, sometime,
> from someone, that one
> could obtain solid state plug-in replacements for
> certain tubes. That is,
> take
> the tube out, plug the solid state "tube" in and
> take off like a goose.
> The word
> was that it involved something like a regular tube
> base, with an FET (or
> whatever)
> wired on top. Looked strange, I presume, but
> worked.
>
> Is this another urban myth? Or do such beasts
> really exist?
>
> John WB4LOQ (Color me curious)
>

Do You Yahoo!?
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<http://im.yahoo.com/>

Date: Fri, 12 May 2000 18:58:44 EDT
From: Wb8siw@aol.com
To: myetsko@insydesw.com, qrp-l@lehigh.edu
Subject: [70056] Re: Solid state tubes -- an urban myth??
Message-ID: <b0.50db9fa.264de6a4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I used to utilize solid-state replacements for Mercury-vapor rectifier tubes in the old Collins broadcast transmitters such as the 550A and 21E. I still have a few around here.

I've also seen a few solid-state replacements utilized for other applications, but they seemed to be rare.

73, Jim WB8SIW

End of QRP-L Digest 1819

